



# Tekscan

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medical sensor catalog

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## **BACKGROUND INFORMATION**

This catalog is for Tekscan users and those considering the purchase of a Tekscan Pressure Measurement System. The sensors described have a proprietary interface, which can only be used with a Tekscan Pressure Measurement System.

A Tekscan Pressure Measurement system consists of a Handle or Cuff with analog-to-digital electronics to be connected to your computer, a variety of reusable Tekscan sensors, and Tekscan's MS Windows-based pressure display and analysis software.

Each sensor design or model has an associated "map", or software "driver", that enables it to operate. The map is both a license to use that model and instructions to the software for proper sensor operation. The map defines the screen display of pressure and provides information so the analysis software calculates correct values of pressure and area. To use a particular sensor, the system must have the license and sensor map for that sensor. Initially, a Tekscan system comes with a defined set of sensors and their associated sensor map(s). Additional sensors and maps can be purchased at any time and added to the system as sensing requirements change.

A dimensional description of each sensor is provided in this catalog. Most sensors are 0.004 in (0.10 mm) thick and consist of a large array, or grid, of independent sensing cells (elements or *senseIs*<sup>™</sup>). Sensors are available in various sizes, shapes, and pressure ranges, which are described in this document. Please contact Tekscan for specific sensor and map pricing and availability.

## **SENSOR SELECTION CRITERIA**

A number of factors should be considered when selecting a sensor for a test. Sensor shape and pressure range are starting points for making a selection. Frequently, additional factors come into play. Refer to the [Industrial Catalog Introduction](#) for more information on sensor selection. Please [contact Tekscan](#) for advice on selecting a sensor for your application.

## SENSOR MODEL: 3000/3001

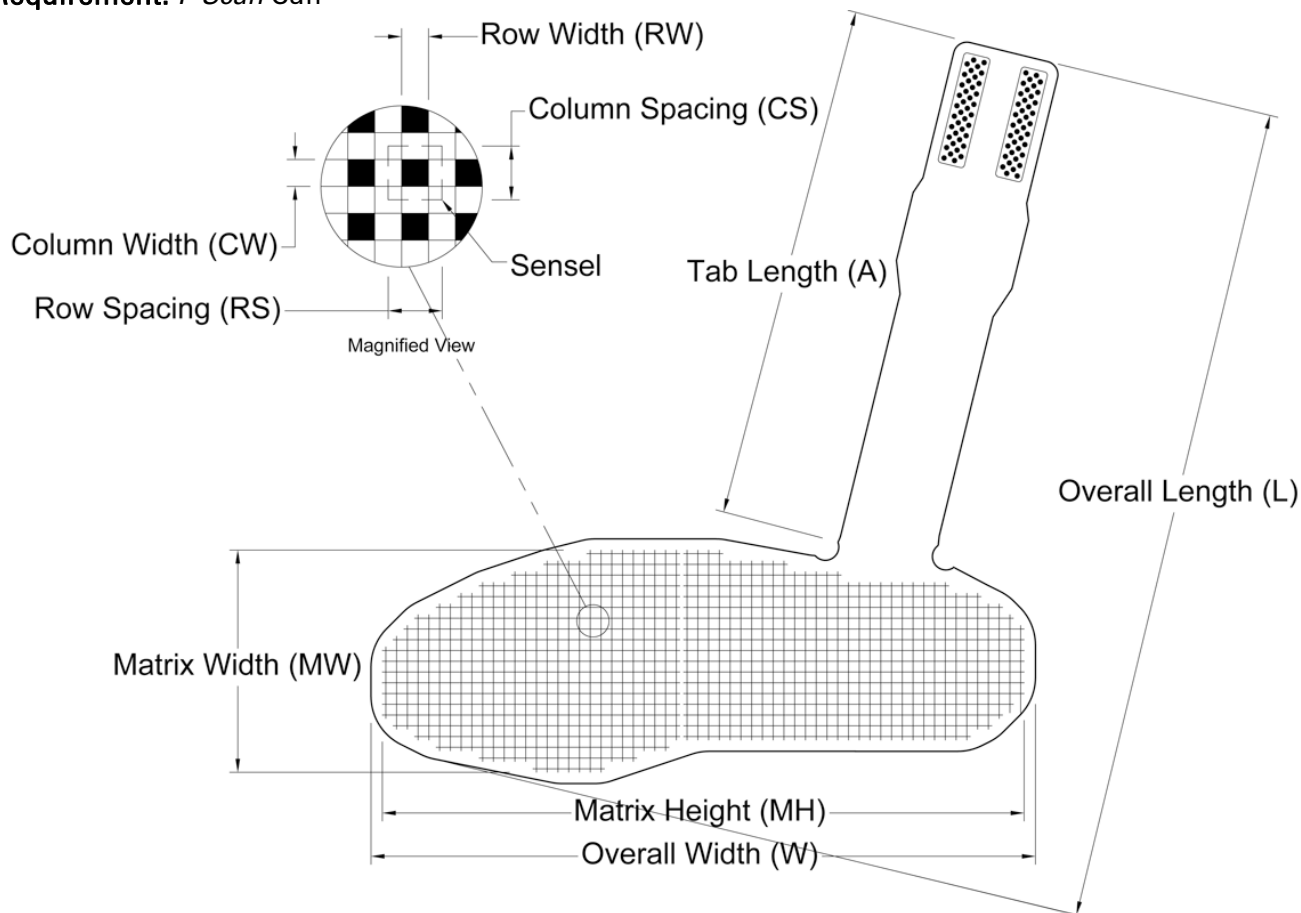
## SENSOR NAME: *F-SCAN*<sup>®</sup>/*F-SCAN*<sup>®</sup> SPORT/*F-SCAN*<sup>®</sup> LONG HANDLE

Application Example: Gait analysis

### Features:

- In-shoe sensor trimmable to any shoe size for foot (plantar) pressure analysis
- No vents
- #3000 is standard *F-Scan* sensor
- #3001 has longer tab length for use with ski/military/work boots
- #3000 Sport is laminated on both sides with a 0.1mm (.005") flexible protective covering that enhances its durability. For athletic or similarly aggressive applications

Requirement: *F-Scan* Cuff



| Model  | General Dimensions |               |            | Sensing Area Dimensions |               |         |       |      |       |       |      |                     |                      |
|--------|--------------------|---------------|------------|-------------------------|---------------|---------|-------|------|-------|-------|------|---------------------|----------------------|
|        | Overall Length     | Overall Width | Tab Length | Matrix Width            | Matrix Height | Columns |       |      | Rows  |       |      | Total No.of Sensels | Resolution           |
|        |                    |               |            |                         |               |         | Pitch |      |       | Pitch |      |                     | Sensel Density       |
|        | L                  | W             | A          | MW                      | MH            | CW      | CS    | Qty. | RW    | RS    | Qty. |                     |                      |
| US     | (in.)              | (in.)         | (in.)      | (in.)                   | (in.)         | (in.)   | (in.) |      | (in.) | (in.) |      |                     | (sensel per sq. in.) |
| 3000   | 15.31              | 12.35         | 9.60       | 4.20                    | 12.00         | 0.100   | 0.200 | 21   | 0.100 | 0.200 | 60   | 954                 | 25.0                 |
| 3001   | 21.24              | 12.35         | 15.61      | 4.20                    | 12.00         | 0.100   | 0.200 | 21   | 0.100 | 0.200 | 60   | 954                 | 25.0                 |
| Metric | (mm)               | (mm)          | (mm)       | (mm)                    | (mm)          | (mm)    | (mm)  |      | (mm)  | (mm)  |      |                     | (sensel per sq. cm)  |
| 3000   | 388.9              | 313.7         | 243.8      | 106.7                   | 304.8         | 2.5     | 5.1   | 21   | 2.5   | 5.1   | 60   | 954                 | 3.9                  |
| 3001   | 539.5              | 313.7         | 396.5      | 106.7                   | 304.8         | 2.5     | 5.1   | 21   | 2.5   | 5.1   | 60   | 954                 | 3.9                  |

## SENSOR MODEL: 3000E/3001E

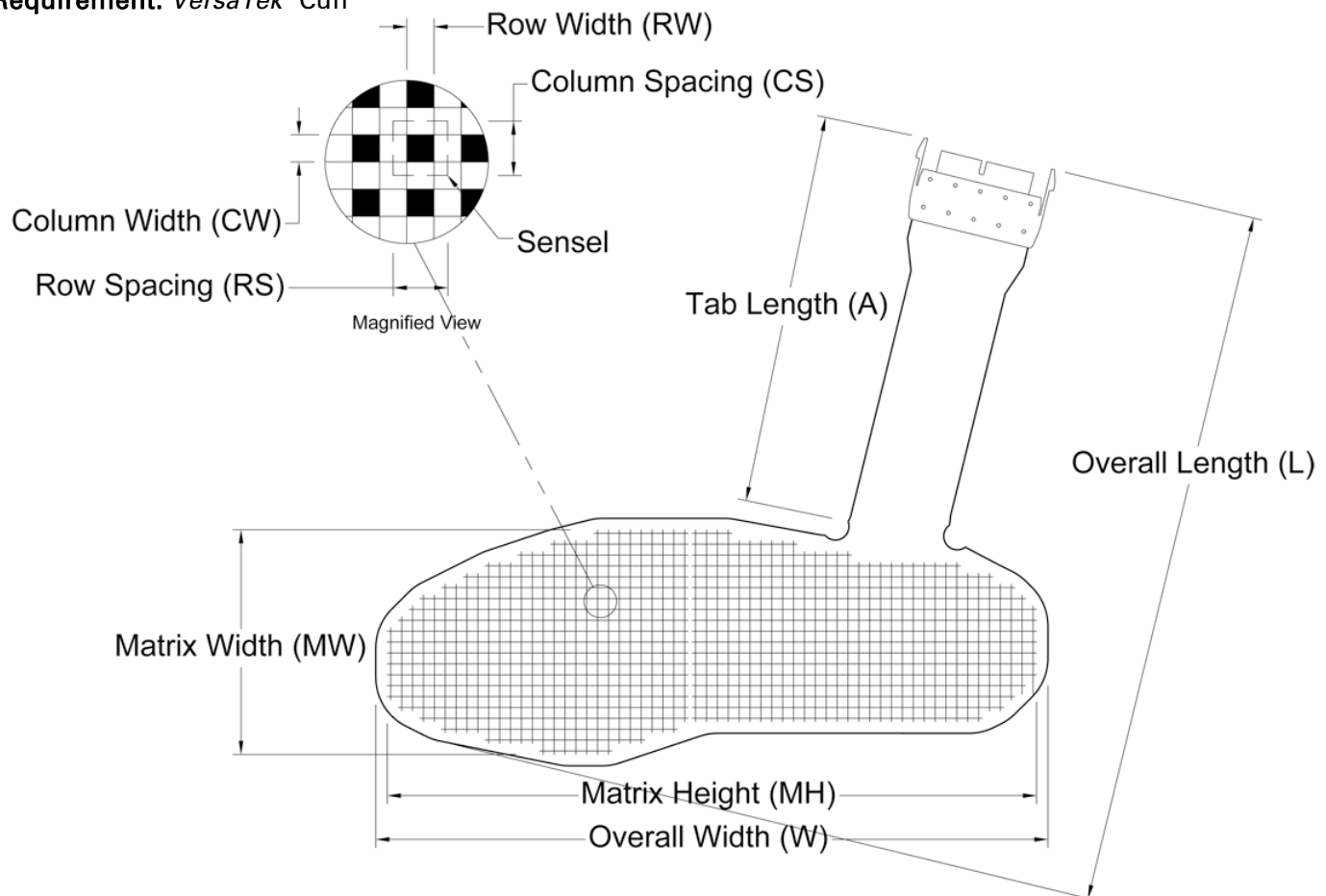
## SENSOR NAME: *F-SCAN*® EDGE / *F-SCAN*® EDGE SPORT / *F-SCAN*® EDGE LONG HANDLE

**Application Example:** Gait analysis

### Features:

- In-shoe sensor trimmable to any shoe size for foot (plantar) pressure analysis
- No vents
- #3000E is standard *F-Scan Edge* sensor
- #3001E has longer tab length for use with ski/military/work boots

**Requirement:** *VersaTek*® Cuff



| Model  | General Dimensions         |                           |                        | Sensing Area Dimensions   |                            |         |       |      |       |       |      | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|--------|----------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------|-------|------|-------|-------|------|------------------------|----------------------------------|
|        | Overall<br>Length<br><br>L | Overall<br>Width<br><br>W | Tab<br>Length<br><br>A | Matrix<br>Width<br><br>MW | Matrix<br>Height<br><br>MH | Columns |       |      | Rows  |       |      |                        |                                  |
|        |                            |                           |                        |                           |                            |         | Pitch | Qty. |       | Pitch | Qty. |                        |                                  |
|        |                            |                           |                        |                           |                            |         |       |      |       |       |      |                        |                                  |
| US     | (in.)                      | (in.)                     | (in.)                  | (in.)                     | (in.)                      | (in.)   | (in.) |      | (in.) | (in.) |      | (sensel per sq. in.)   |                                  |
| 3000E  | 12.88                      | 12.35                     | 7.19                   | 4.20                      | 12.00                      | 0.100   | 0.200 | 21   | 0.100 | 0.200 | 60   | 25.0                   |                                  |
| 3001E  | 18.83                      | 12.35                     | 13.20                  | 4.20                      | 12.00                      | 0.100   | 0.200 | 21   | 0.100 | 0.200 | 60   | 25.0                   |                                  |
| Metric | (mm)                       | (mm)                      | (mm)                   | (mm)                      | (mm)                       | (mm)    | (mm)  |      | (mm)  | (mm)  |      | (sensel per sq. cm)    |                                  |
| 3000E  | 327.2                      | 313.7                     | 182.6                  | 106.7                     | 304.8                      | 2.5     | 5.1   | 21   | 2.5   | 5.1   | 60   | 3.9                    |                                  |
| 3001E  | 478.3                      | 313.7                     | 335.3                  | 106.7                     | 304.8                      | 2.5     | 5.1   | 21   | 2.5   | 5.1   | 60   | 3.9                    |                                  |

# SENSOR MODEL: 3005E

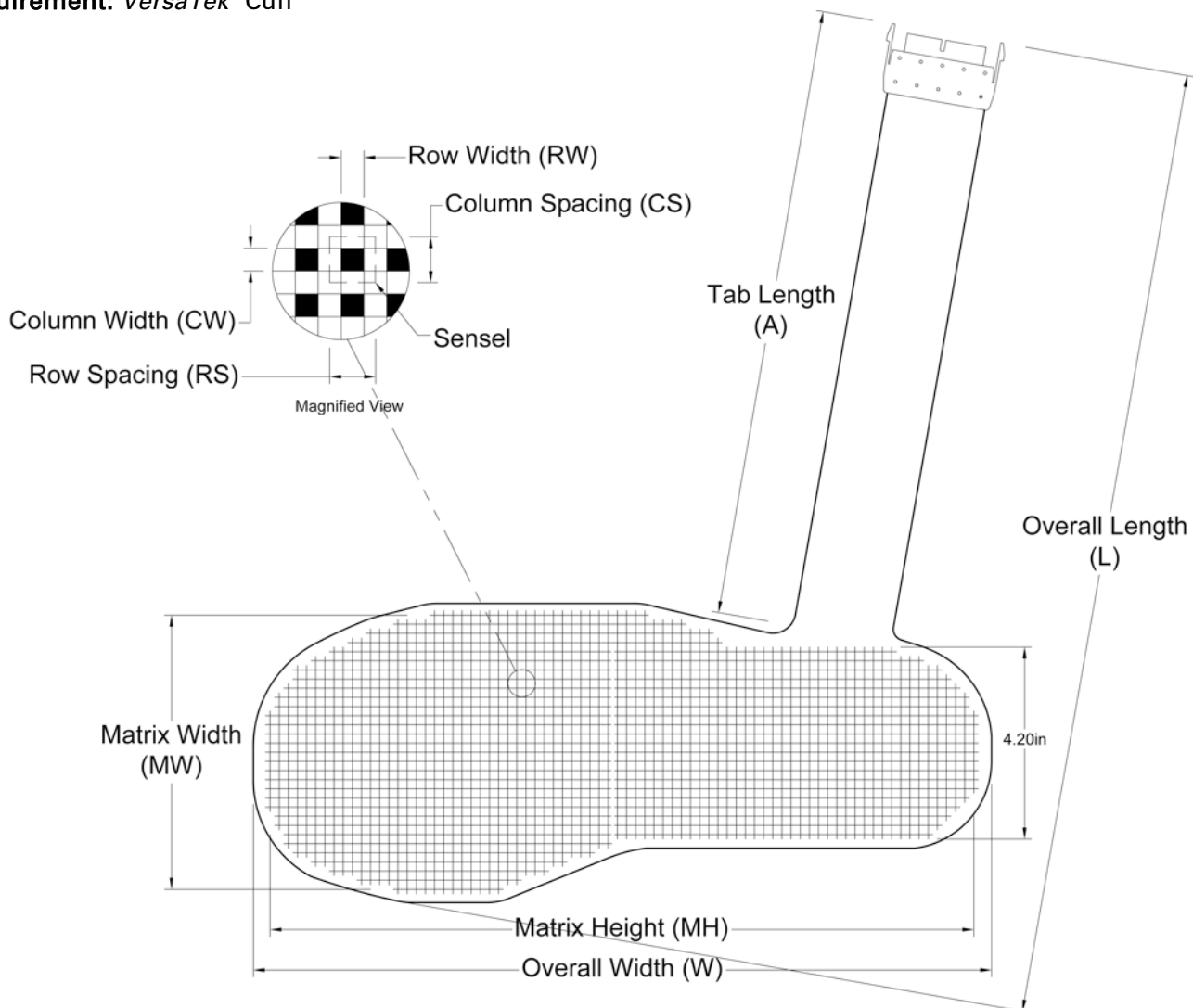
## SENSOR NAME: *F-SCAN*® XL EDGE

**Application Example:** Gait analysis

**Features:**

- Extra large sensor is trimmable and accommodates shoe sizes up to 24E
- No vents

**Requirement:** *VersaTek*® Cuff



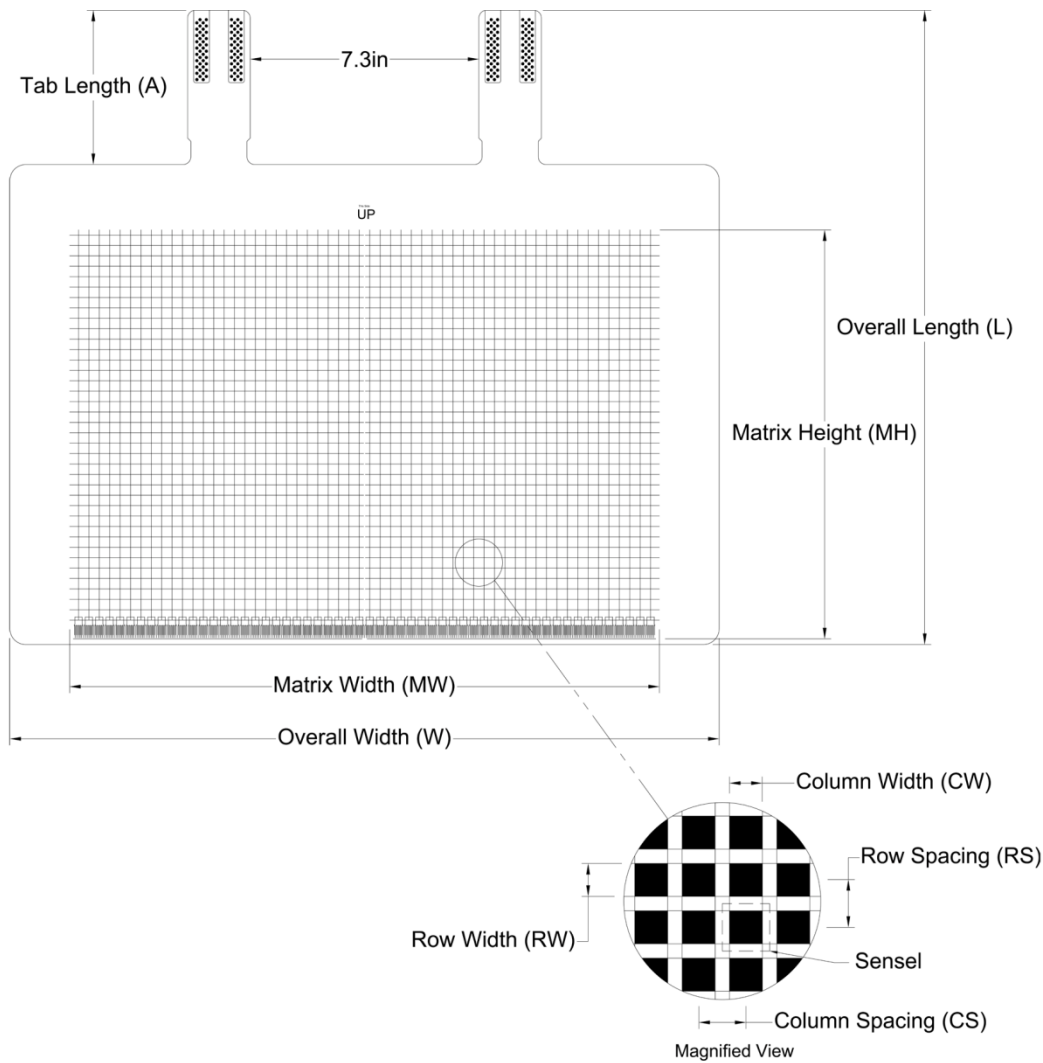
| Model  | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |         |       |    |       |       |    |                        |                                  |
|--------|---------------------|--------------------|-----------------|-------------------------|---------------------|---------|-------|----|-------|-------|----|------------------------|----------------------------------|
|        | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns |       |    | Rows  |       |    | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|        |                     |                    |                 |                         |                     |         | Pitch |    |       | Pitch |    |                        |                                  |
|        | CW                  | CS                 | Qty.            | RW                      | RS                  | Qty.    |       |    |       |       |    |                        |                                  |
| US     | (in.)               | (in.)              | (in.)           | (in.)                   | (in.)               | (in.)   | (in.) |    | (in.) | (in.) |    |                        | (sensel per sq. in.)             |
| 3005E  | 19.90               | 16.15              | 12.00           | 6.20                    | 15.60               | 0.100   | 0.200 | 31 | 0.100 | 0.200 | 78 | 1848                   | 25.0                             |
| Metric | (mm)                | (mm)               | (mm)            | (mm)                    | (mm)                | (mm)    | (mm)  |    | (mm)  | (mm)  |    |                        | (sensel per sq. cm)              |
| 3005E  | 505.5               | 410.2              | 304.8           | 157.5                   | 396.2               | 2.5     | 5.1   | 31 | 2.5   | 5.1   | 78 | 1848                   | 3.9                              |

**SENSOR MODEL: 3100**  
**SENSOR NAME: *F-MAT*™**

### Application Example: Barefoot analysis

### Feature: External vents

### Requirement: *F-Scan*® Cuff



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |    |                |                |    |                        |                                  |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|----|----------------|----------------|----|------------------------|----------------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |    | Rows           |                |    | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|             |                     |                    |                 |                         |                     |                | Pitch          |    |                | Pitch          |    |                        |                                  |
|             | CW                  | CS                 | Qty.            | RW                      | RS                  | Qty.           |                |    |                |                |    |                        |                                  |
| US 3100     | (in.)<br>20.12      | (in.)<br>22.50     | (in.)<br>4.90   | (in.)<br>18.48          | (in.)<br>12.54      | (in.)<br>0.230 | (in.)<br>0.330 | 56 | (in.)<br>0.230 | (in.)<br>0.330 | 38 | 2128                   | (sensel per sq. in.)<br>9.2      |
| Metric 3100 | (mm)<br>510.9       | (mm)<br>571.5      | (mm)<br>124.3   | (mm)<br>469.4           | (mm)<br>318.5       | (mm)<br>5.8    | (mm)<br>8.4    | 56 | (mm)<br>5.8    | (mm)<br>8.4    | 38 | 2128                   | (sensel per sq. cm)<br>1.4       |

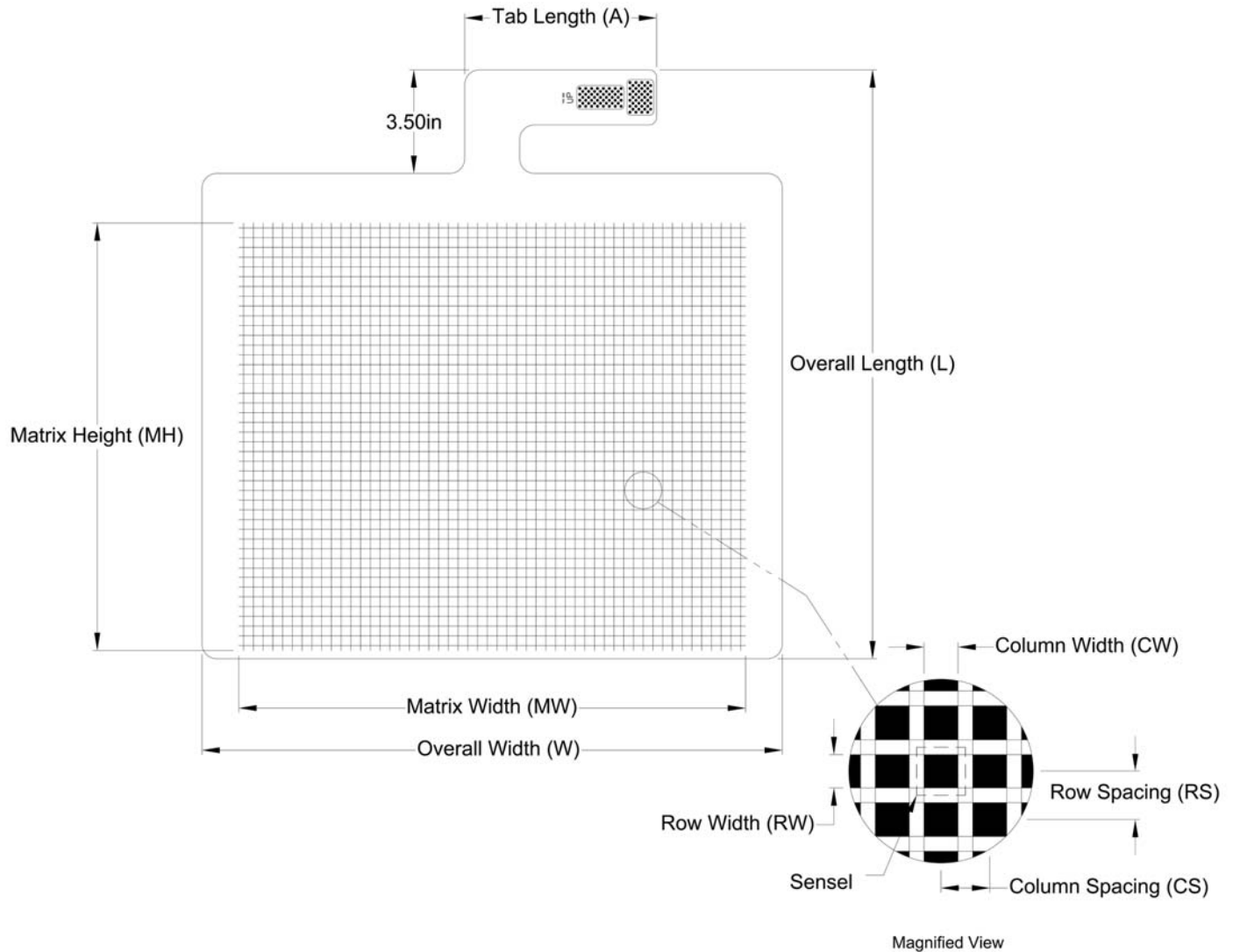
# SENSOR MODEL: 3150

## SENSOR NAME: *MATSCAN*<sup>®</sup>

### Application Examples:

- Sensor mat used for barefoot analysis
- Large contact surfaces

**Feature:** External vents



| Model       | General Dimensions |                 |              | Sensing Area Dimensions |                  |         |          |      |       |          |      |                     | Resolution           |
|-------------|--------------------|-----------------|--------------|-------------------------|------------------|---------|----------|------|-------|----------|------|---------------------|----------------------|
|             | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW         | Matrix Height MH | Columns |          |      | Rows  |          |      | Total No.of Sensels | Sensel Density       |
| US 3150     | (in.)              | (in.)           | (in.)        | (in.)                   | (in.)            | CW      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     | (sensel per sq. in.) |
|             | 20.00              | 19.65           | 7.68         | 17.16                   | 14.52            | 0.230   | 0.330    | 52   | 0.230 | 0.330    | 44   | 2288                | 9.2                  |
| Metric 3150 | (mm)               | (mm)            | (mm)         | (mm)                    | (mm)             | (mm)    | (mm)     |      | (mm)  | (mm)     |      |                     | (sensel per sq. cm)  |
|             | 508.0              | 499.1           | 195.1        | 435.9                   | 368.8            | 5.8     | 8.4      | 52   | 5.8   | 8.4      | 44   | 2288                | 1.4                  |

# SENSOR MODEL: 3150E

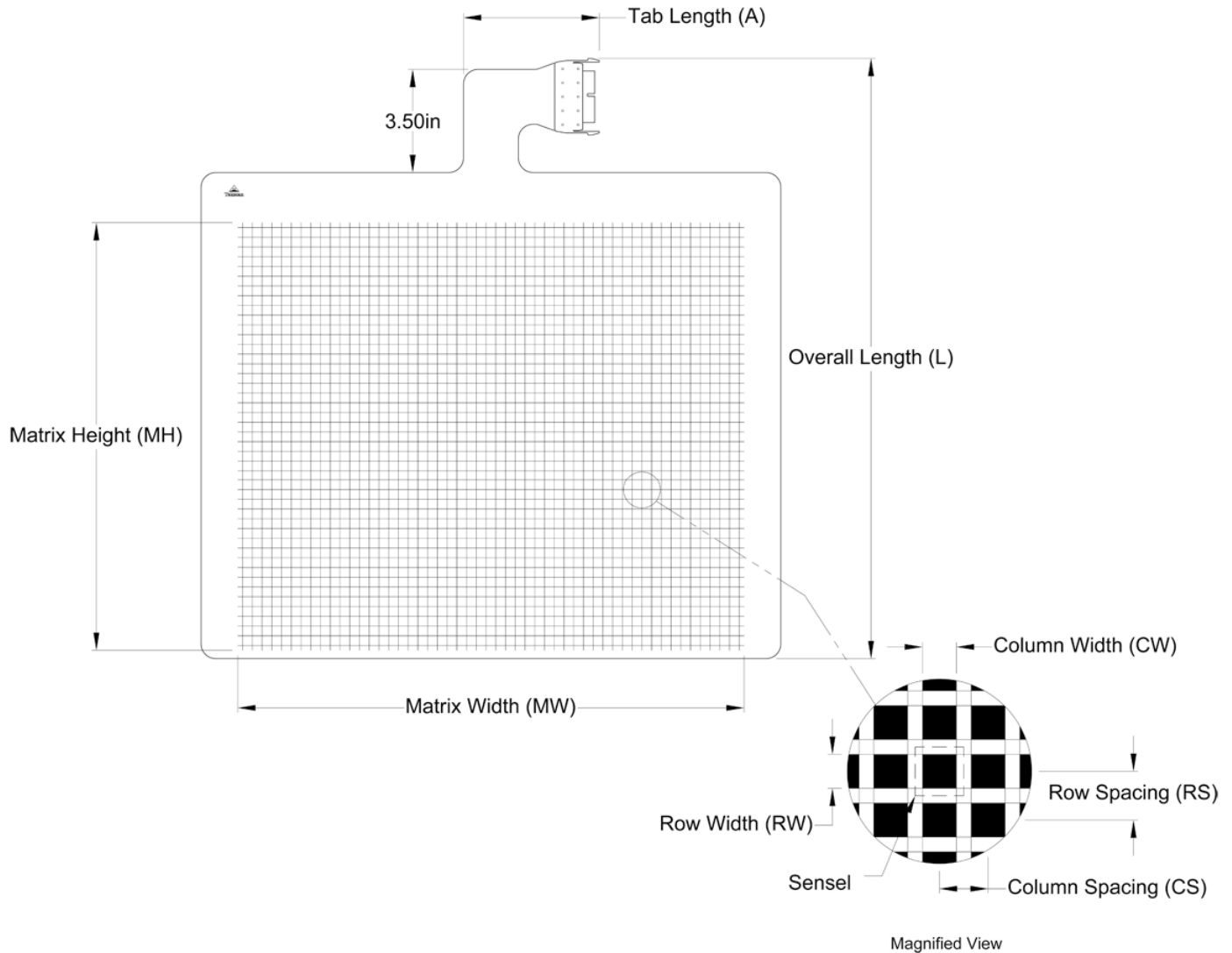
## SENSOR NAME: *MATSCAN*® EDGE

### Application Examples:

- Sensor mat used for barefoot analysis
- Large contact surfaces

**Feature:** External vents

**Requirement:** *VersaTek*® Cuff



| Model           | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |                |                |      |                |                |      |                        | Resolution<br><br>Sensel Density |
|-----------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|----------------|----------------|------|----------------|----------------|------|------------------------|----------------------------------|
|                 | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns        |                |      | Rows           |                |      | Total No.of<br>Sensels |                                  |
|                 |                        |                       |                    |                         |                        | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |                        |                                  |
|                 |                        |                       |                    |                         |                        |                |                |      |                |                |      |                        |                                  |
| US<br>3150E     | (in.)<br>20.37         | (in.)<br>19.65        | (in.)<br>4.60      | (in.)<br>17.16          | (in.)<br>14.52         | (in.)<br>0.230 | (in.)<br>0.330 | 52   | (in.)<br>0.230 | (in.)<br>0.330 | 44   | 2288                   | (sensel per sq. in.)<br>9.2      |
| Metric<br>3150E | (mm)<br>517.4          | (mm)<br>499.1         | (mm)<br>116.8      | (mm)<br>435.9           | (mm)<br>368.8          | (mm)<br>5.8    | (mm)<br>8.4    | 52   | (mm)<br>5.8    | (mm)<br>8.4    | 44   | 2288                   | (sensel per sq. cm)<br>1.4       |



# SENSOR MODEL: 3200

## SENSOR NAME: *HOOF*™

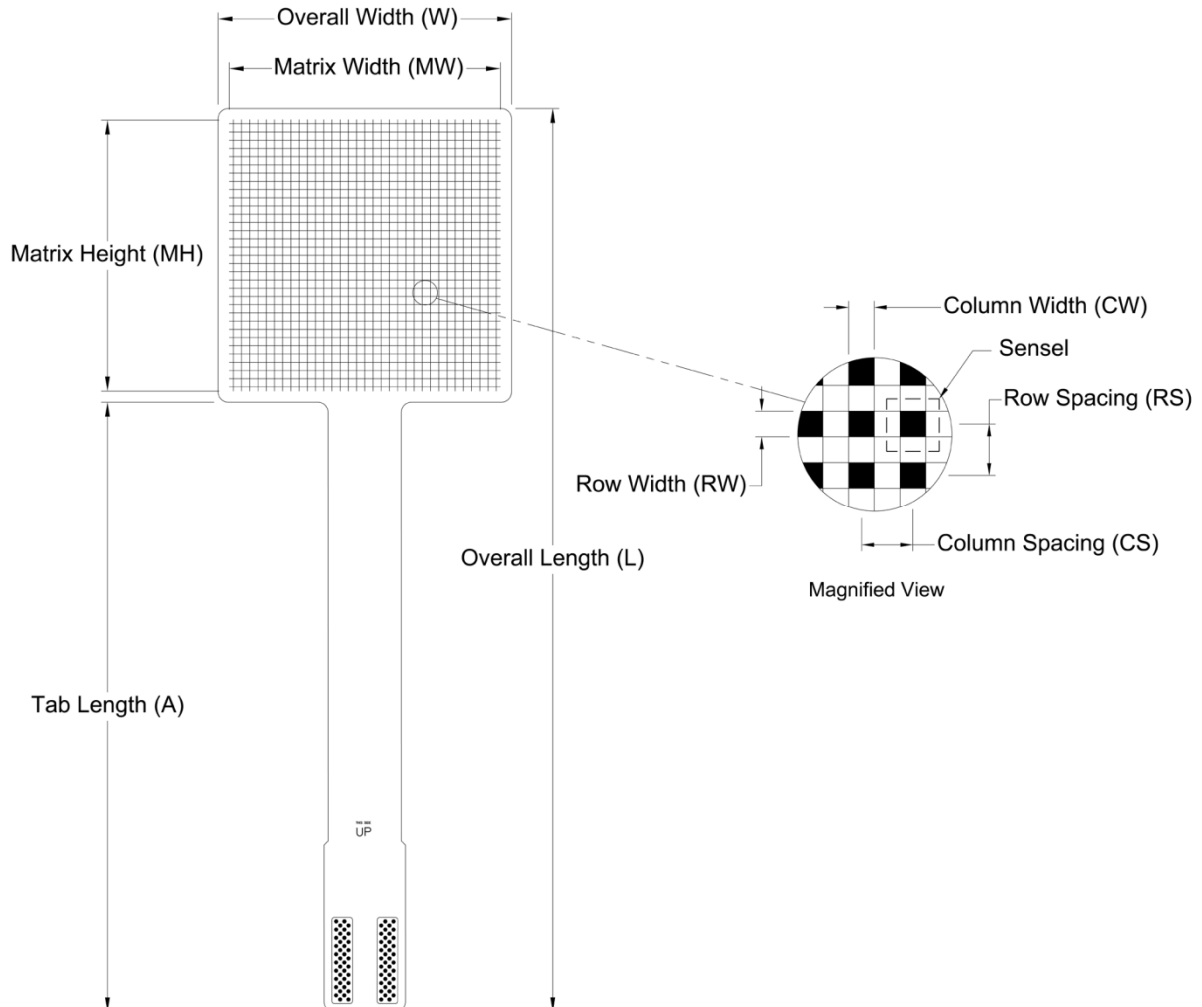
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**Application Example:** Gait analysis of large animals

**Features:**

- Designed for animal hooves and paws
- Trimmable to virtually any size and shape
- No vents
- 0.22 mm (0.008 in) thick – Thicker substrate than *F-Scan*® for greater durability

**Requirement:** *F-Scan*® Cuff



| Model       | General Dimensions |                 |              |                 |                  | Sensing Area Dimensions |          |      |       |          |      |                     | Resolution           |  |
|-------------|--------------------|-----------------|--------------|-----------------|------------------|-------------------------|----------|------|-------|----------|------|---------------------|----------------------|--|
|             | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW | Matrix Height MH | Columns                 |          |      | Rows  |          |      | Total No.of Sensels | Sensel Density       |  |
|             | (in.)              | (in.)           | (in.)        | (in.)           | (in.)            | CW                      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     | (sensel per sq. in.) |  |
| US 3200     | 22.00              | 7.15            | 14.86        | 6.60            | 6.60             | 0.100                   | 0.200    | 33   | 0.100 | 0.200    | 33   | 1089                | 25.0                 |  |
| Metric 3200 | 558.8              | 181.6           | 377.4        | 167.6           | 167.6            | 2.5                     | 5.1      | 33   | 2.5   | 5.1      | 33   | 1089                | 3.9                  |  |

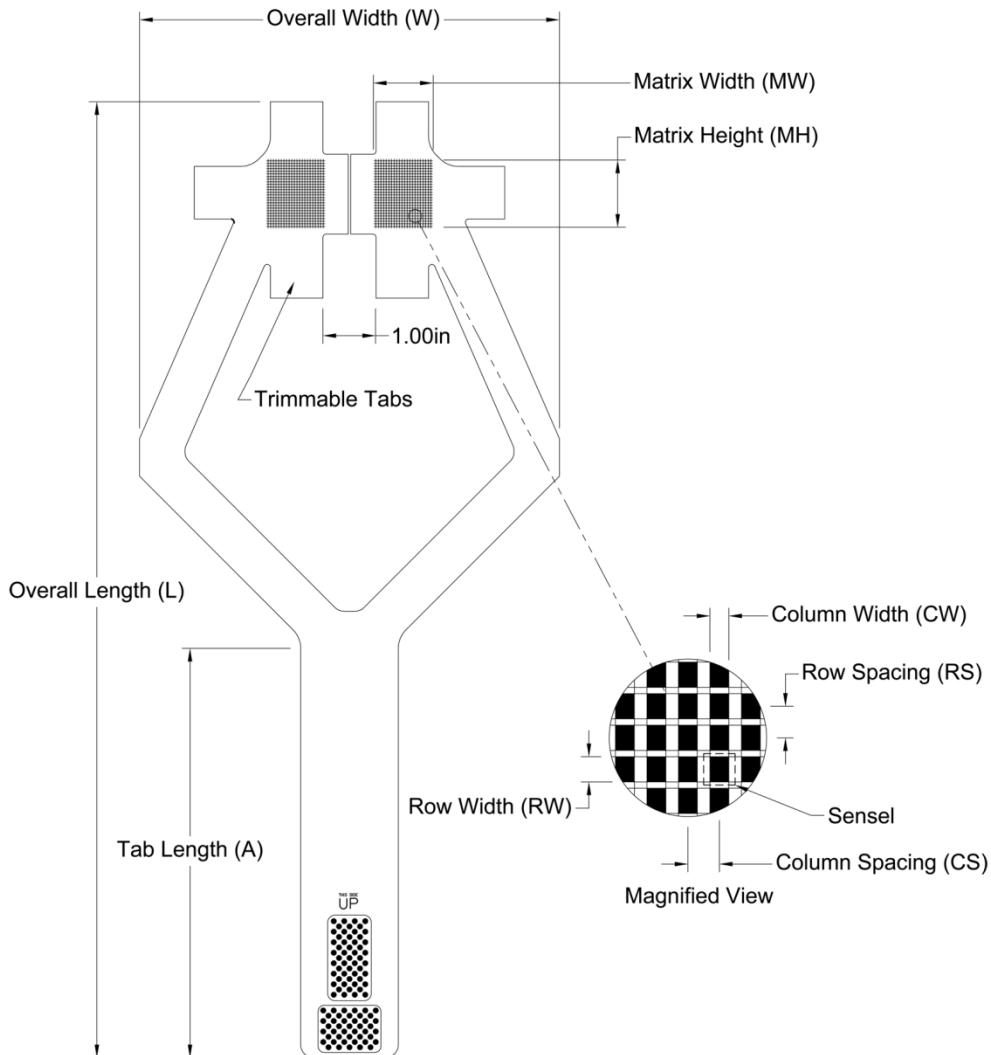
# SENSOR MODEL: 4000

## SENSOR NAME: *K-SCAN*™

**Application Example:** Human joint studies in the knee

### Features:

- Two independent, high resolution sensing regions
- No vents



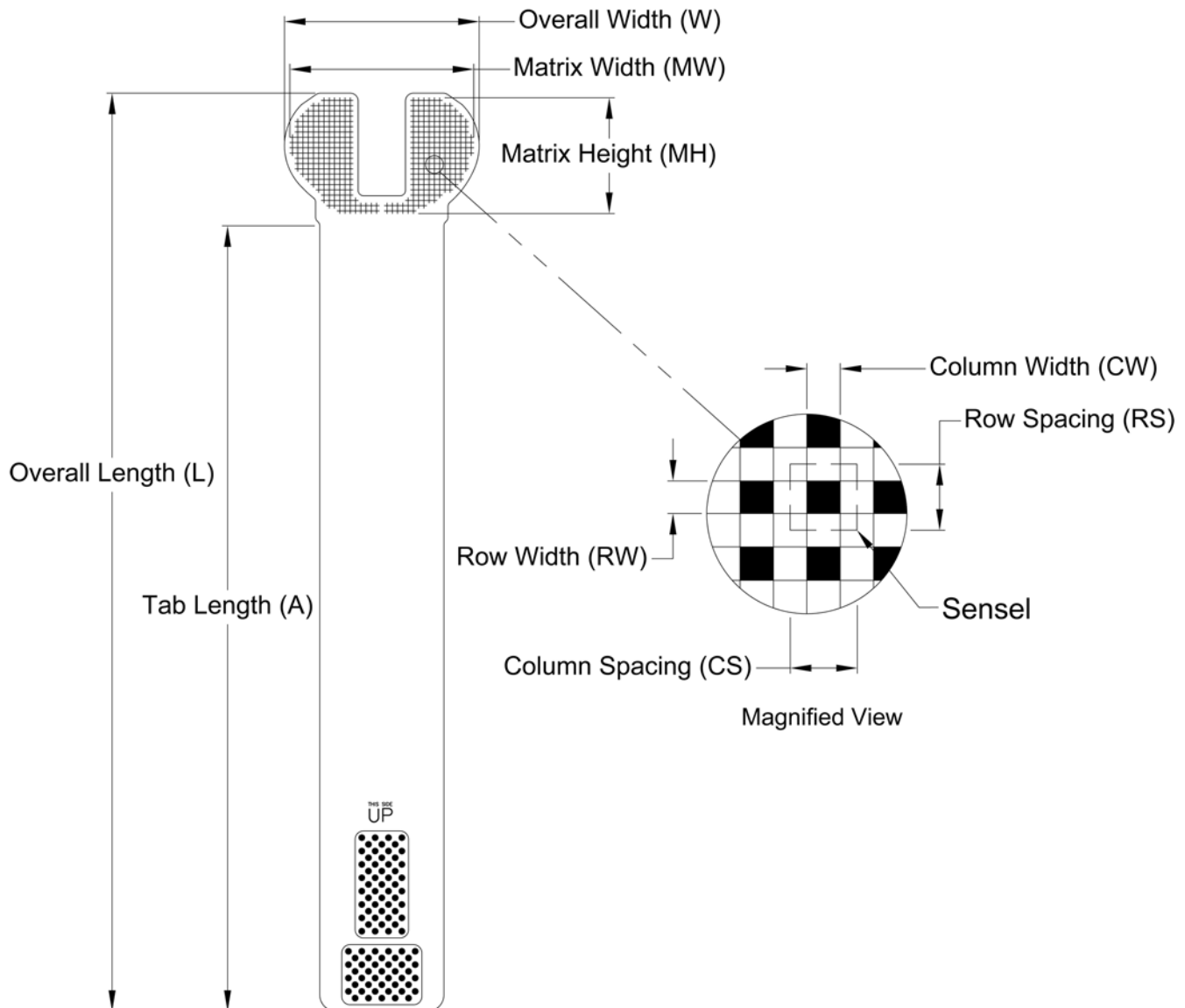
| Model       | General Dimensions |                 |              |                 |                  | Sensing Area Dimensions |             |      |             |             |      |                     |                            |
|-------------|--------------------|-----------------|--------------|-----------------|------------------|-------------------------|-------------|------|-------------|-------------|------|---------------------|----------------------------|
|             | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW | Matrix Height MH | Columns                 |             |      | Rows        |             |      | Total No.of Sensels | Resolution Sensel Density  |
|             |                    |                 |              |                 |                  | CW                      | Pitch CS    | Qty. | RW          | Pitch RS    | Qty. |                     |                            |
| US 4000     | (in.) 18.19        | (in.) 8.00      | (in.) 7.80   | (in.) 1.10      | (in.) 1.30       | (in.) 0.030             | (in.) 0.050 | 22   | (in.) 0.040 | (in.) 0.050 | 26   | 572                 | (sensel per sq. in.) 400.0 |
| Metric 4000 | (mm) 462.0         | (mm) 203.2      | (mm) 198.1   | (mm) 27.9       | (mm) 33.0        | (mm) 0.8                | (mm) 1.3    | 22   | (mm) 1.0    | (mm) 1.3    | 26   | 572                 | (sensel per sq. cm) 62.0   |

# SENSOR MODEL: 4010N

## SENSOR NAME: *K-SCAN-N*

**Application Example:** Human joint studies in the knee

**Feature:** Two independent, high resolution sensing regions



| Model        | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |               |             |             |             |             |             |                        |                             |
|--------------|---------------------|--------------------|-----------------|-------------------------|---------------------|---------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------------|
|              | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns       |             |             | Rows        |             |             | Total No.of<br>Sensels | Resolution                  |
|              |                     |                    |                 |                         |                     |               | Pitch       |             |             | Pitch       |             |                        | Sensel Density              |
|              | US 4010N            | (in.)<br>13.78     | (in.)<br>2.92   | (in.)<br>11.81          | (in.)<br>2.68       | (in.)<br>1.73 | CW<br>0.040 | CS<br>0.079 | Qty.<br>34  | RW<br>0.040 | RS<br>0.079 | Qty.<br>22             | 422                         |
| Metric 4010N | (mm)<br>350.0       | (mm)<br>74.1       | (mm)<br>300.0   | (mm)<br>68.0            | (mm)<br>44.0        | (mm)<br>1.0   | (mm)<br>2.0 | 34          | (mm)<br>1.0 | (mm)<br>2.0 | 22          | 422                    | (sensel per sq. cm)<br>25.0 |

# SENSOR MODEL: 4201

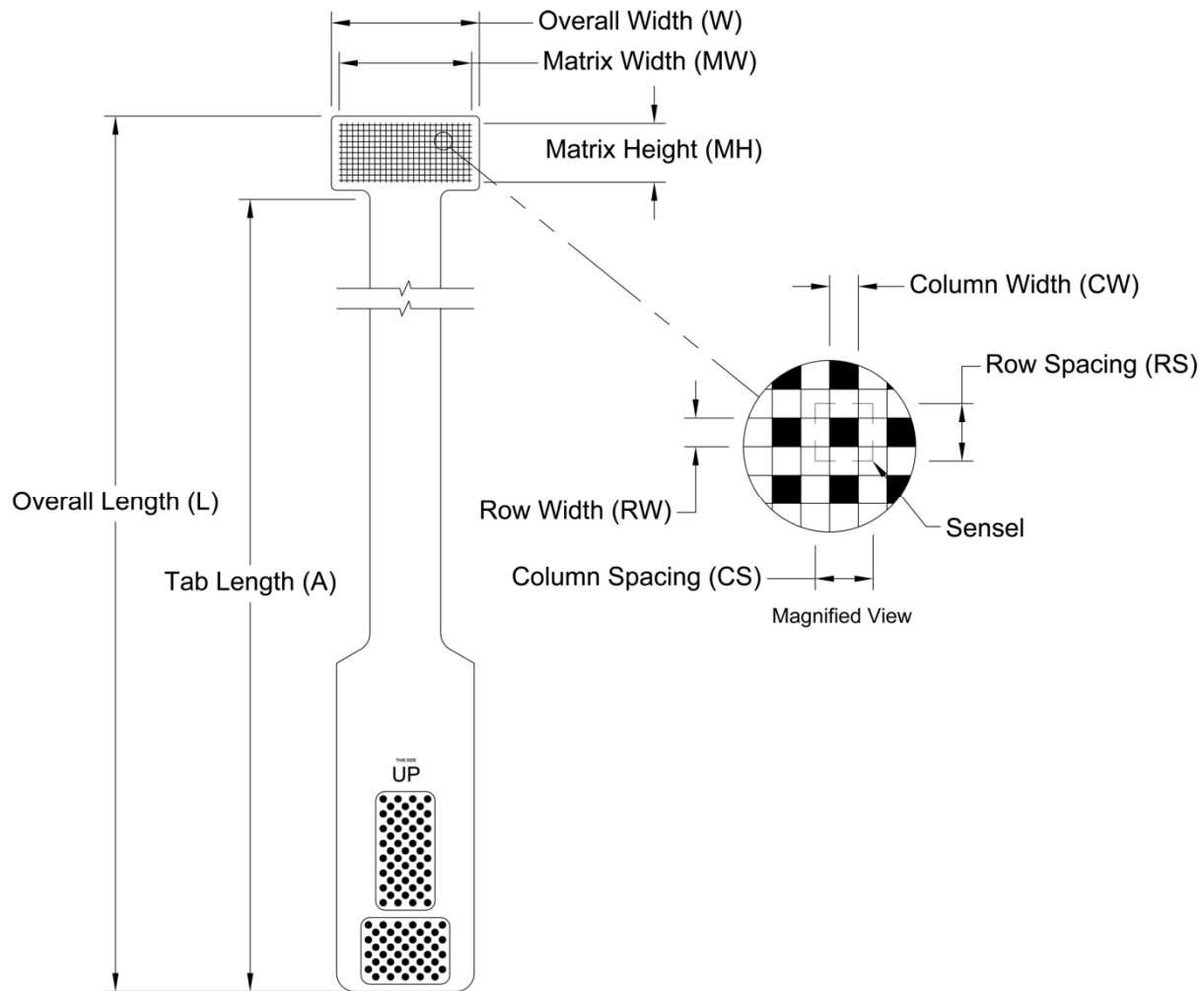
## SENSOR NAME: WRIST

### Application Examples:

- Human joint studies in wrists and elbows
- Low pressure ergonomic studies of pressure garments
- Comfort studies with stockings and face masks

### Features:

- Can be trimmed from any edge to fit application; sensor needs to be resealed after trimming
- Internal vents



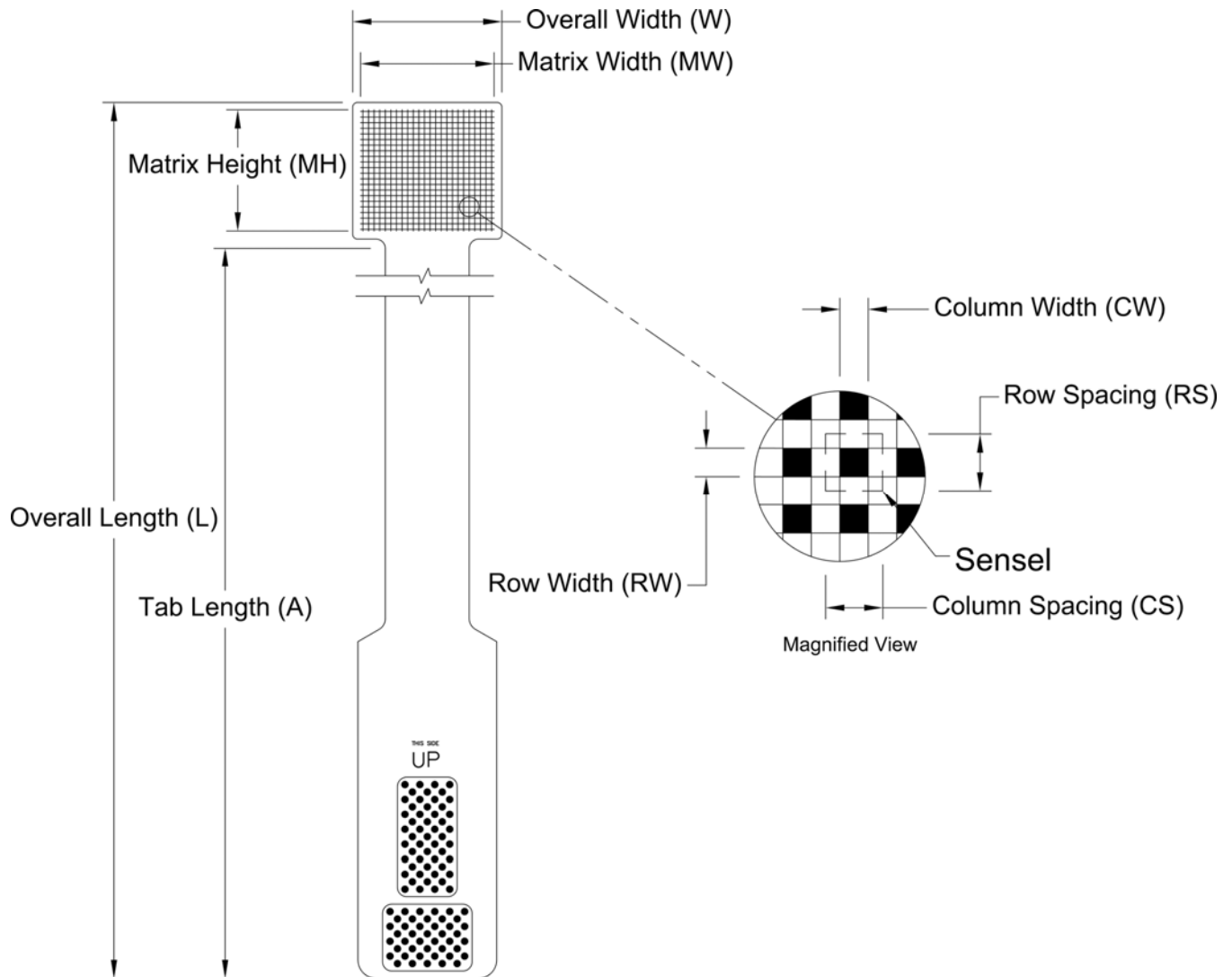
| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |    |                |                |    |                        |                               |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|----|----------------|----------------|----|------------------------|-------------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |    | Rows           |                |    | Total No.of<br>Sensels | Resolution                    |
|             |                     |                    |                 |                         |                     |                | Pitch          |    |                | Pitch          |    |                        | Sensel Density                |
|             | CW                  | CS                 | Qty.            | RW                      | RS                  | Qty.           |                |    |                |                |    |                        |                               |
| US 4201     | (in.)<br>16.96      | (in.)<br>2.00      | (in.)<br>15.84  | (in.)<br>1.80           | (in.)<br>0.83       | (in.)<br>0.045 | (in.)<br>0.075 | 24 | (in.)<br>0.045 | (in.)<br>0.075 | 11 | 264                    | (sensel per sq. in.)<br>177.8 |
| Metric 4201 | (mm)<br>430.8       | (mm)<br>50.8       | (mm)<br>402.4   | (mm)<br>45.7            | (mm)<br>21.0        | (mm)<br>1.1    | (mm)<br>1.9    | 24 | (mm)<br>1.1    | (mm)<br>1.9    | 11 | 264                    | (sensel per sq. cm)<br>27.6   |

# SENSOR MODEL: 4205

## SENSOR NAME: SHOULDER

**Application Example:** Joint analysis on rotator cuff

**Feature:** Internal vents



| Model       | General Dimensions |                 |              |                 |                  | Sensing Area Dimensions |          |      |       |          |      |                     | Resolution           |      |
|-------------|--------------------|-----------------|--------------|-----------------|------------------|-------------------------|----------|------|-------|----------|------|---------------------|----------------------|------|
|             | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW | Matrix Height MH | Columns                 |          |      | Rows  |          |      | Total No.of Sensels | Sensel Density       |      |
|             | (in.)              | (in.)           | (in.)        | (in.)           | (in.)            | CW                      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     | (sensel per sq. in.) |      |
| US 4205     | 17.80              | 2.00            | 15.84        | 1.80            | 1.65             | 0.045                   | 0.075    | 24   | 0.045 | 0.075    | 22   | 528                 | 177.8                |      |
| Metric 4205 | (mm)               | (mm)            | (mm)         | (mm)            | (mm)             | (mm)                    | (mm)     | (mm) | (mm)  | (mm)     | (mm) | 528                 | (sensel per sq. cm)  | 27.6 |
|             | 452.1              | 50.8            | 402.3        | 45.7            | 41.9             | 1.1                     | 1.9      | 24   | 1.1   | 1.9      | 22   |                     |                      |      |

# SENSOR MODEL: 4255N

## SENSOR NAME: *GRIP*<sup>™</sup>

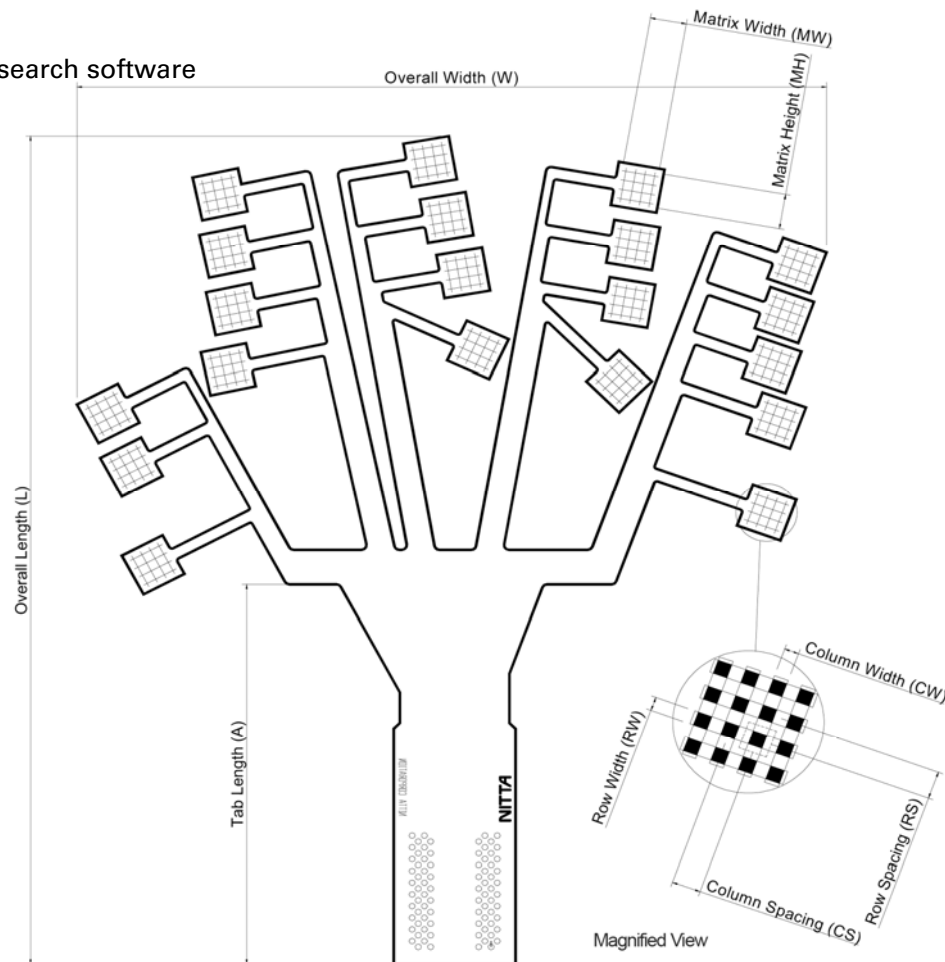
**Application Example:** Hand grip and ergonomic studies

### Features:

- Five independent fingers, each containing multiple sensing regions (20 total)
- Each sensing region can be attached to a different contact point of the hand and fingers
- Each sensing region contains multiple sensing elements providing extensive detail on the grip pressure distribution
- Sensors takes dynamic measurements of both right and left hands
- The sensor's design works with any hand size

### Requirements:

- *F-Scan*<sup>®</sup> Cuff
- *I-Scan*<sup>®</sup> or Research software



| Model        | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |             |             |       |             |             |       |                        |                            |
|--------------|---------------------|--------------------|-----------------|-------------------------|---------------------|-------------|-------------|-------|-------------|-------------|-------|------------------------|----------------------------|
|              | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns     |             |       | Rows        |             |       | Total No.of<br>Sensels | Resolution                 |
|              |                     |                    |                 |                         |                     | CW          | Pitch<br>CS | Qty.  | RW          | Pitch<br>RS | Qty.  |                        | Sensel Density             |
|              | (in.)               | (in.)              | (in.)           | (in.)                   | (in.)               | (in.)       | (in.)       | (in.) | (in.)       | (in.)       | (in.) | (in.)                  | (sensel per sq. in.)       |
| US 4255N     | 14.17               | 12.13              | 6.5             | 0.63                    | 0.63                | 0.079       | 0.157       | 4     | 0.079       | 0.157       | 4     | 320                    | 40.3                       |
| Metric 4255N | (mm)<br>360.0       | (mm)<br>308.0      | (mm)<br>165.0   | (mm)<br>16.0            | (mm)<br>16.0        | (mm)<br>2.0 | (mm)<br>4.0 | 4     | (mm)<br>2.0 | (mm)<br>4.0 | 4     | 320                    | (sensel per sq. cm)<br>6.3 |

SENSOR MODEL: 4256

SENSOR NAME: GRIP™

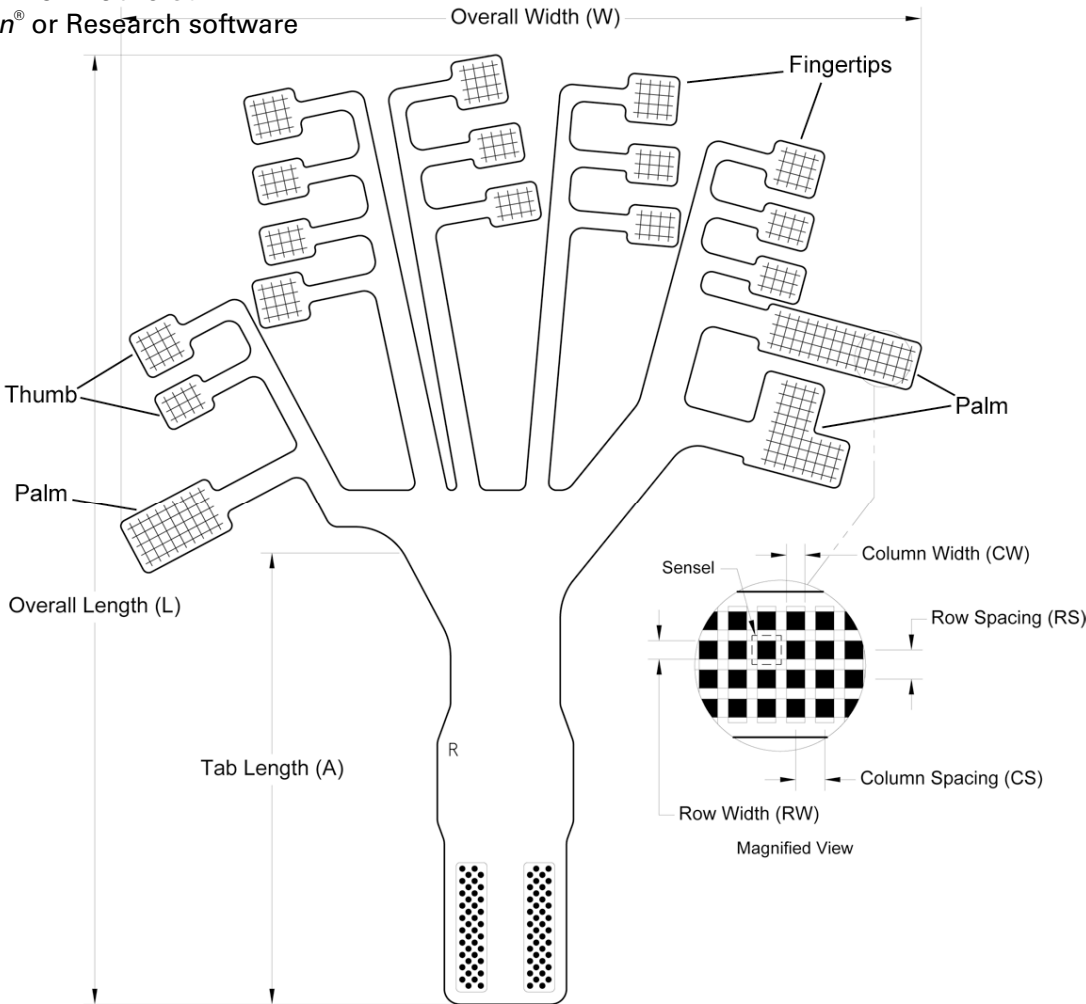
Application Example: Hand grip and ergonomic studies

Features:

- Five independent fingers, each containing multiple sensing regions (18 total)
- Each sensing region can be attached to a different contact point of the hand and fingers
- Each sensing region contains multiple sensing elements providing extensive detail on the grip pressure distribution
- Sensor takes dynamic measurements of both right and left hands
- The sensor’s design works with any hand size

Requirements:

- F-Scan® or Mobile Cuff
- I-Scan® or Research software



General Dimensions

Sensing Area Dimensions

| Model       | General Dimensions |                 |              | Sensing Area Dimensions |                  |         |          |      |       |          |      |                     | Resolution           |
|-------------|--------------------|-----------------|--------------|-------------------------|------------------|---------|----------|------|-------|----------|------|---------------------|----------------------|
|             | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW         | Matrix Height MH | Columns |          |      | Rows  |          |      | Total No.of Sensels |                      |
| US 4256     | (in.)              | (in.)           | (in.)        | (in.)                   | (in.)            | CW      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     | (sensel per sq. in.) |
|             | 15.44              | 12.99           | 7.30         | Various                 | Various          | 0.100   | 0.158    | 36   | 0.100 | 0.158    | 23   | 349                 | 40.3                 |
| Metric 4256 | (mm)               | (mm)            | (mm)         | (mm)                    | (mm)             | (mm)    | (mm)     |      | (mm)  | (mm)     |      |                     | (sensel per sq. cm)  |
|             | 392.2              | 329.9           | 185.4        | Various                 | Various          | 2.54    | 4.0      | 36   | 2.5   | 4.0      | 23   | 349                 | 6.2                  |

# SENSOR MODEL: 4256E

## SENSOR NAME: *GRIP*<sup>™</sup> EDGE

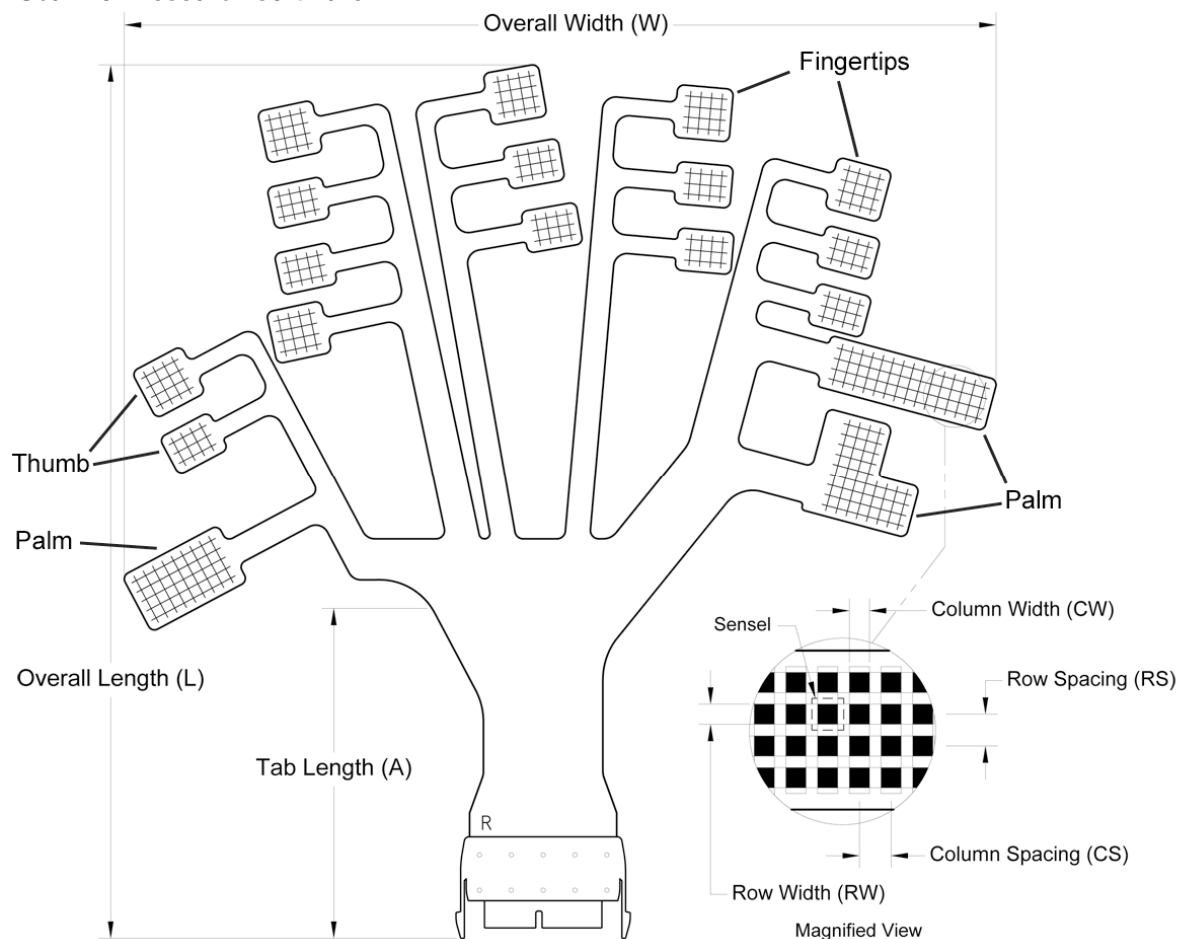
**Application Example:** Hand grip and ergonomic studies

### Features:

- Five independent fingers, each containing multiple sensing regions (18 total)
- Each sensing region can be attached to a different contact point of the hand and fingers
- Each sensing region contains multiple sensing elements providing extensive detail on the grip pressure distribution
- Sensor takes dynamic measurements of both right and left hands
- The sensor's design works with any hand size

### Requirements:

- *VersaTek*<sup>®</sup> Cuff
- *I-Scan*<sup>®</sup> or Research software



| Model        | General Dimensions |                 |              | Sensing Area Dimensions |                  |         |          |      |       |          |      |                      |                           |
|--------------|--------------------|-----------------|--------------|-------------------------|------------------|---------|----------|------|-------|----------|------|----------------------|---------------------------|
|              | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW         | Matrix Height MH | Columns |          |      | Rows  |          |      | Total No. of Sensels | Resolution Sensel Density |
|              | (in.)              | (in.)           | (in.)        | (in.)                   | (in.)            | CW      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                      |                           |
| US 4256E     | 13.02              | 12.99           | 4.91         | Various                 | Various          | 0.100   | 0.158    | 36   | 0.100 | 0.158    | 23   | 349                  | (sensel per sq. in.) 40.3 |
| Metric 4256E | 330.7              | 329.9           | 124.7        | Various                 | Various          | 2.5     | 4.0      | 36   | 2.5   | 4.0      | 23   | 349                  | (sensel per sq. cm) 6.2   |

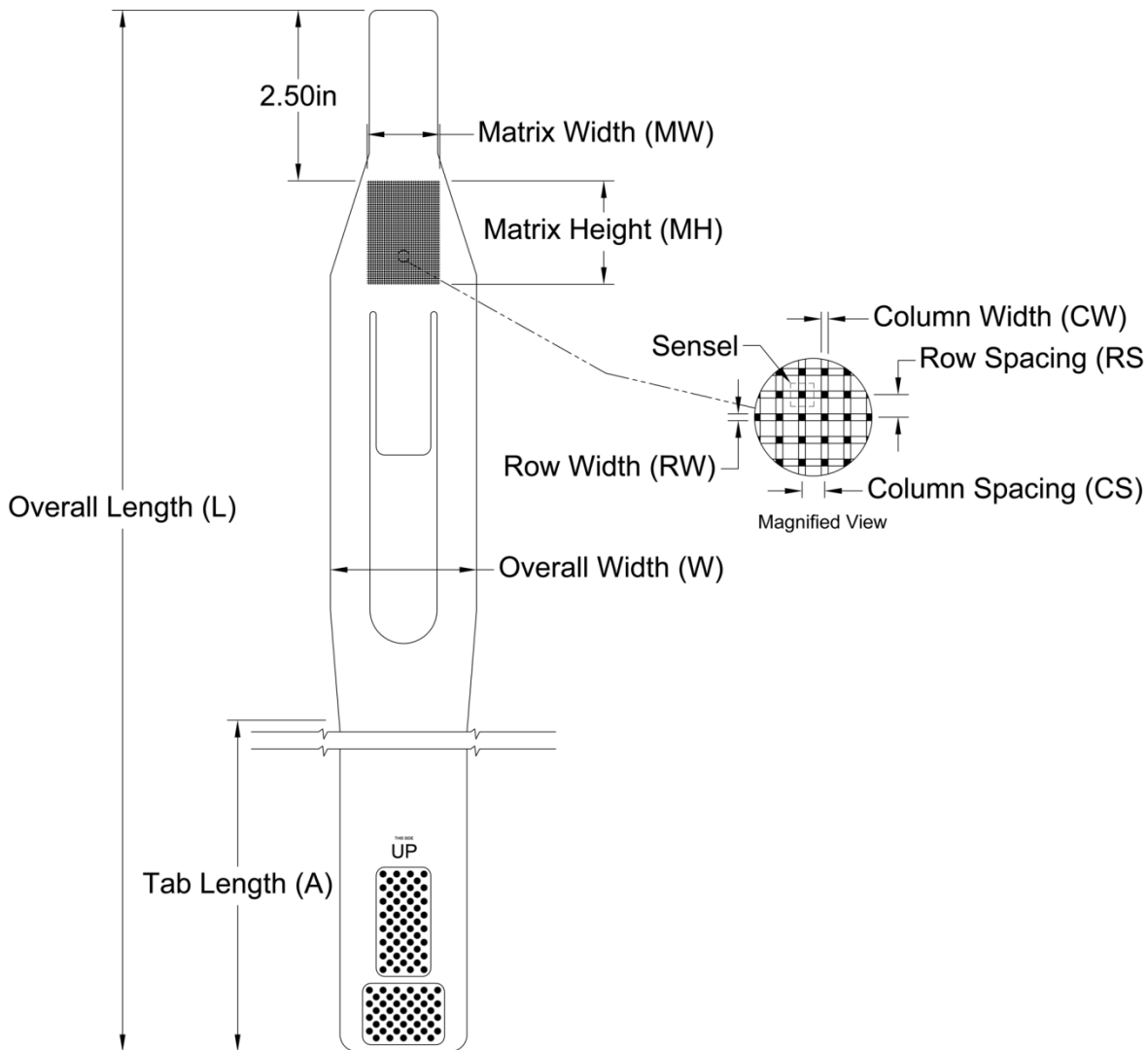


# SENSOR MODEL: 5033

## SENSOR NAME: ANKLE

**Application Example:** Ankle joint studies

**Feature:** Internal vents



| Model          | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |                |                |      |                |                |      |      | Total No.of<br>Sensels        | Resolution<br><br>Sensel Density |
|----------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|----------------|----------------|------|----------------|----------------|------|------|-------------------------------|----------------------------------|
|                | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns        |                |      | Rows           |                |      |      |                               |                                  |
|                |                        |                       |                    |                         |                        | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |      |                               |                                  |
|                |                        |                       |                    |                         |                        |                |                |      |                |                |      |      |                               |                                  |
| US<br>5033     | (in.)<br>18.00         | (in.)<br>2.14         | (in.)<br>7.43      | (in.)<br>1.05           | (in.)<br>1.51          | (in.)<br>0.010 | (in.)<br>0.033 | 32   | (in.)<br>0.010 | (in.)<br>0.033 | 46   | 1472 | (sensel per sq. in.)<br>929.5 |                                  |
| Metric<br>5033 | (mm)<br>457.2          | (mm)<br>54.4          | (mm)<br>188.7      | (mm)<br>26.7            | (mm)<br>38.3           | (mm)<br>0.3    | (mm)<br>0.8    | 32   | (mm)<br>0.3    | (mm)<br>0.8    | 46   | 1472 | (sensel per sq. cm)<br>144.1  |                                  |

# SENSOR MODEL: 5051/5076/5101

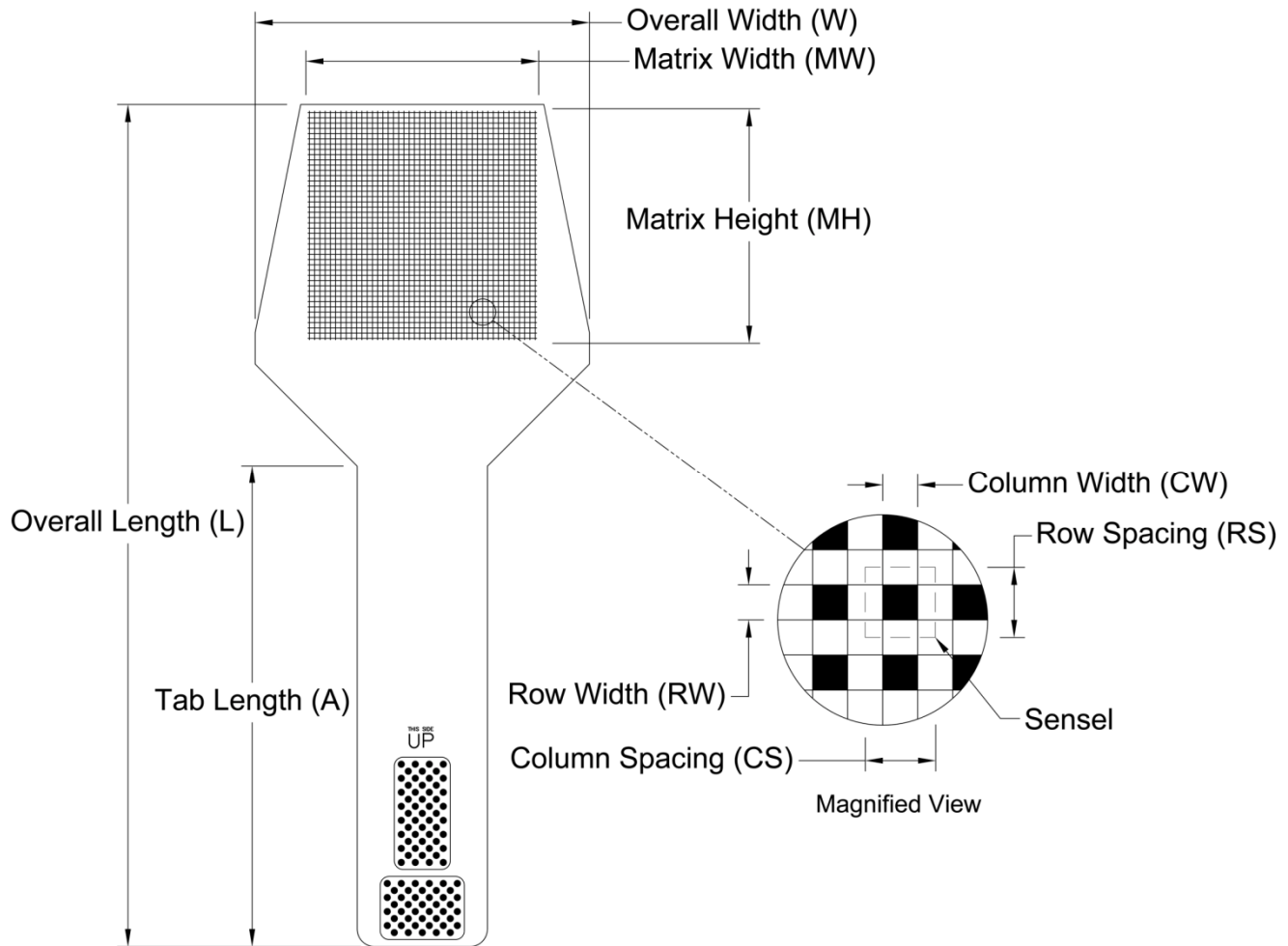
## SENSOR NAME: *I-SCAN*®

### Application Examples:

- Excellent for general purpose use
- Joint analysis

### Features:

- Wide range of available pressures
- Internal vents



| Model         | General Dimensions |               |            |              |               | Sensing Area Dimensions |          |      |       |          |      |                      |                      |
|---------------|--------------------|---------------|------------|--------------|---------------|-------------------------|----------|------|-------|----------|------|----------------------|----------------------|
|               | Overall Length     | Overall Width | Tab Length | Matrix Width | Matrix Height | Columns                 |          |      | Rows  |          |      | Total No. of Sensels | Resolution           |
|               | L                  | W             | A          | MW           | MH            | CW                      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                      | Sensel Density       |
| <b>US</b>     | (in.)              | (in.)         | (in.)      | (in.)        | (in.)         | (in.)                   | (in.)    |      | (in.) | (in.)    |      |                      | (sensel per sq. in.) |
| <b>5051</b>   | 9.94               | 3.20          | 6.54       | 2.20         | 2.20          | 0.030                   | 0.050    | 44   | 0.030 | 0.050    | 44   | 1936                 | 400.0                |
| <b>5076</b>   | 12.03              | 4.78          | 6.93       | 3.30         | 3.30          | 0.040                   | 0.075    | 44   | 0.040 | 0.075    | 44   | 1936                 | 177.8                |
| <b>5101</b>   | 13.39              | 5.86          | 6.59       | 4.40         | 4.40          | 0.050                   | 0.100    | 44   | 0.050 | 0.100    | 44   | 1936                 | 100.0                |
| <b>Metric</b> | (mm)               | (mm)          | (mm)       | (mm)         | (mm)          | (mm)                    | (mm)     |      | (mm)  | (mm)     |      |                      | (sensel per sq. cm)  |
| <b>5051</b>   | 252.5              | 81.3          | 166.2      | 55.9         | 55.9          | 0.8                     | 1.3      | 44   | 0.8   | 1.3      | 44   | 1936                 | 62.0                 |
| <b>5076</b>   | 305.5              | 121.3         | 175.9      | 83.8         | 83.8          | 1.0                     | 1.9      | 44   | 1.0   | 1.9      | 44   | 1936                 | 27.6                 |
| <b>5101</b>   | 340.0              | 149.0         | 167.3      | 111.8        | 111.8         | 1.3                     | 2.5      | 44   | 1.3   | 2.5      | 44   | 1936                 | 15.5                 |

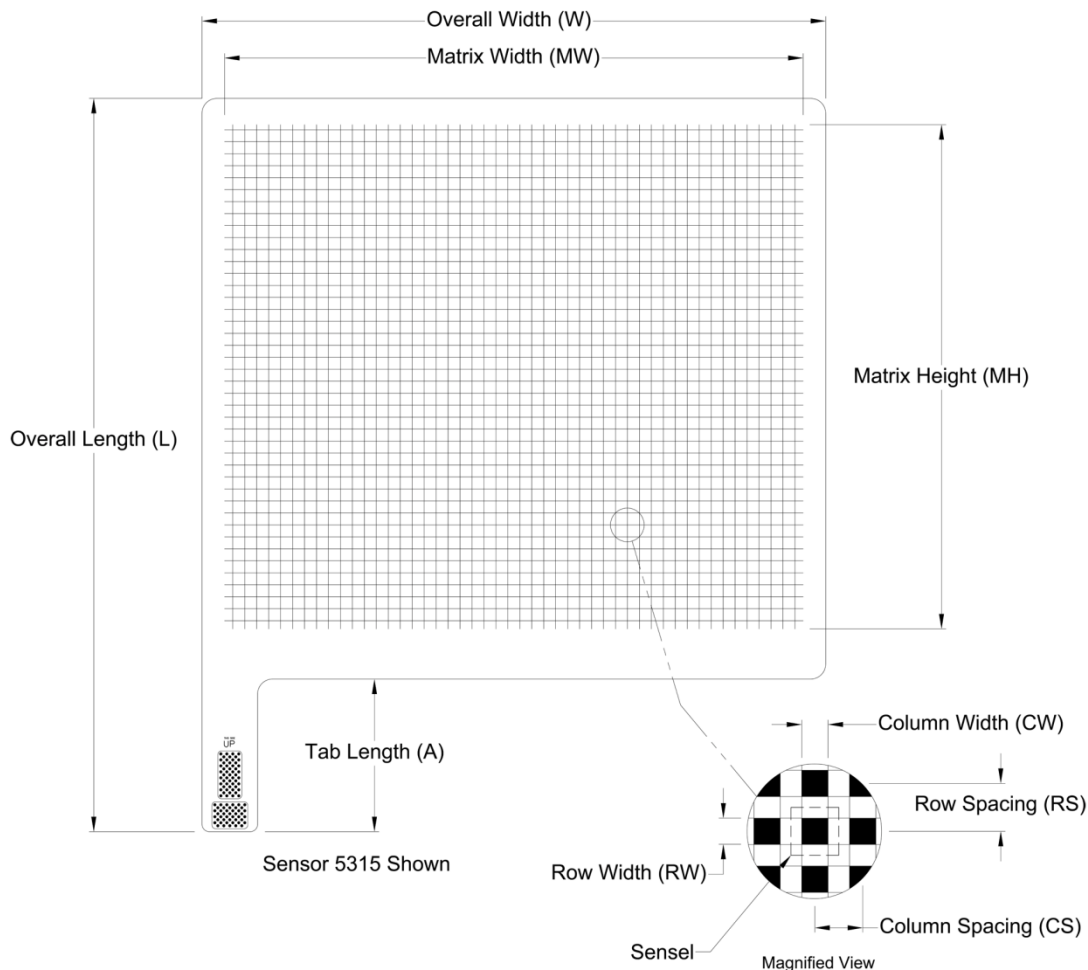
# SENSOR MODEL: 5315/5350

## SENSOR NAME: SEAT MAT

**Application Examples:** Pressure mapping and comfort studies of seats, cushions and mattresses

### Features:

- Sensor is covered with a flexible backing material to increase its durability
- Total thickness of 0.33mm (0.012") includes flexible backing on both sides of sensor; thinner construction may be available
- External vents



| Model  | General Dimensions |                 |              |                 | Sensing Area Dimensions |         |          |      |       |          |      |                     | Resolution           |                     |
|--------|--------------------|-----------------|--------------|-----------------|-------------------------|---------|----------|------|-------|----------|------|---------------------|----------------------|---------------------|
|        | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW | Matrix Height MH        | Columns |          |      | Rows  |          |      | Total No.of Sensels | Sensel Density       |                     |
|        | (in.)              | (in.)           | (in.)        | (in.)           | (in.)                   | CW      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     | (sensel per sq. in.) |                     |
| US     |                    |                 |              |                 |                         |         |          |      |       |          |      |                     |                      |                     |
| 5315   | 24.50              | 20.86           | 5.15         | 19.20           | 16.80                   | 0.250   | 0.400    | 48   | 0.250 | 0.400    | 42   | 2016                | 6.3                  |                     |
| 5350   | 24.00              | 18.06           | 6.61         | 16.40           | 15.20                   | 0.250   | 0.400    | 41   | 0.250 | 0.400    | 38   | 1558                | 6.3                  |                     |
| Metric |                    |                 |              |                 |                         |         |          |      |       |          |      |                     |                      |                     |
| 5315   | 622.3              | 529.8           | 130.9        | 487.7           | 426.7                   | 6.4     | 10.2     | 48   | 6.4   | 10.2     | 42   | 2016                | 1.0                  | (sensel per sq. cm) |
| 5350   | 609.6              | 458.7           | 167.9        | 416.6           | 386.1                   | 6.4     | 10.2     | 41   | 6.4   | 10.2     | 38   | 1558                | 1.0                  |                     |

# SENSOR MODEL: 5330

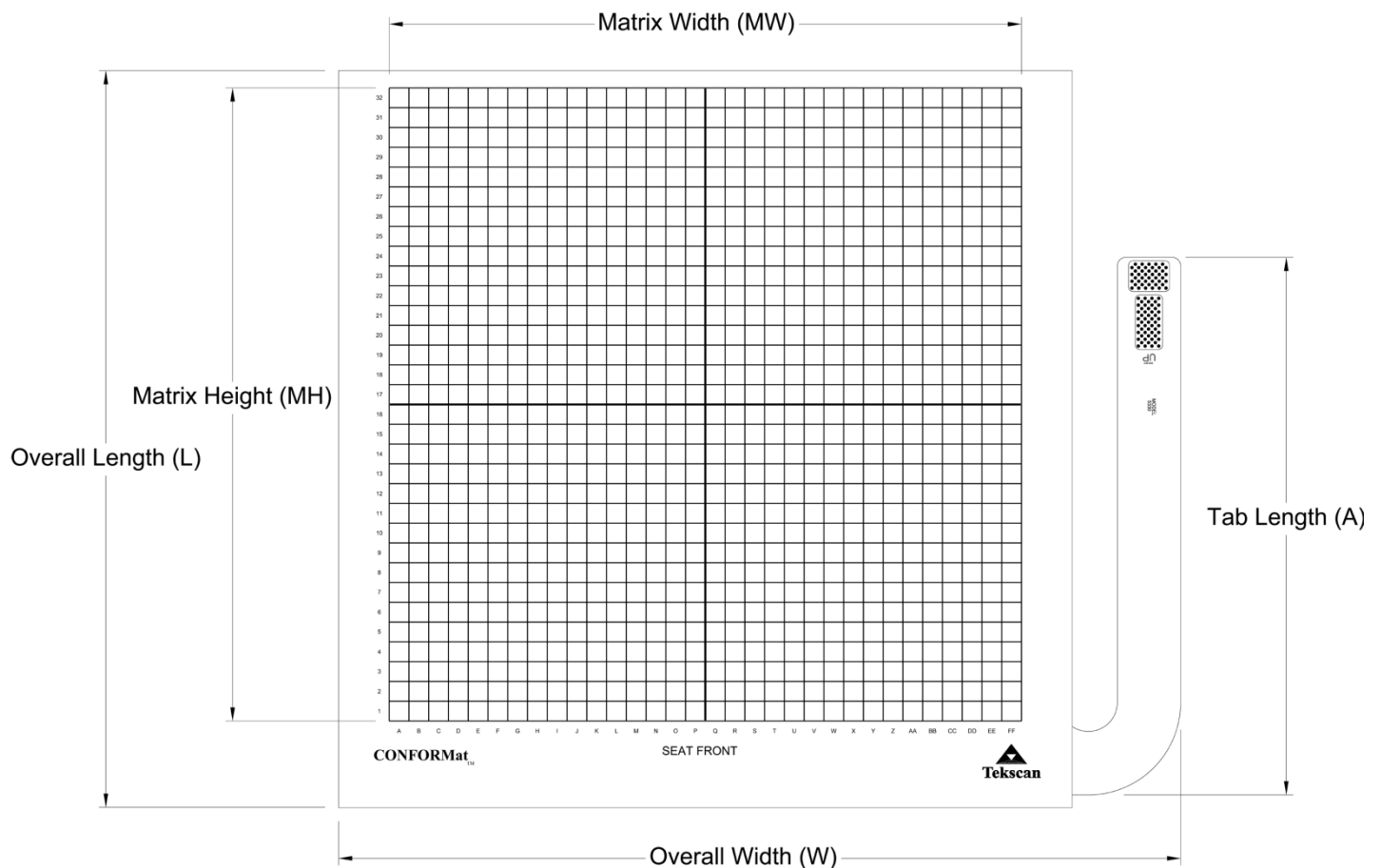
## SENSOR NAME: *CONFORMat*®

**Application Examples:** Pressure mapping and comfort studies of seats and cushions

### Features:

- Fully conforming sensor, sensor elements move freely in the X, Y, and Z axis
- Minimal interference with the client/support surface interface

**Requirement:** *CONFORMat* or *BPMS*™ software



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |    |                |                |    |                        |                             |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|----|----------------|----------------|----|------------------------|-----------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |    | Rows           |                |    | Total No.of<br>Sensels | Resolution                  |
|             |                     |                    |                 |                         |                     |                | Pitch          |    |                | Pitch          |    |                        | Sensel Density              |
|             | CW                  | CS                 | Qty.            | RW                      | RS                  | Qty.           |                |    |                |                |    |                        |                             |
| US 5330     | (in.)<br>21.23      | (in.)<br>24.35     | (in.)<br>15.76  | (in.)<br>18.56          | (in.)<br>18.56      | (in.)<br>0.000 | (in.)<br>0.580 | 32 | (in.)<br>0.000 | (in.)<br>0.580 | 32 | 1024                   | (sensel per sq. in.)<br>3.0 |
| Metric 5330 | (mm)<br>539.2       | (mm)<br>618.4      | (mm)<br>400.3   | (mm)<br>471.4           | (mm)<br>471.4       | (mm)<br>0.0    | (mm)<br>14.7   | 32 | (mm)<br>0.0    | (mm)<br>14.7   | 32 | 1024                   | (sensel per sq. cm)<br>0.5  |

# SENSOR MODEL: 5330E

## SENSOR NAME: *CONFORMat*® EDGE

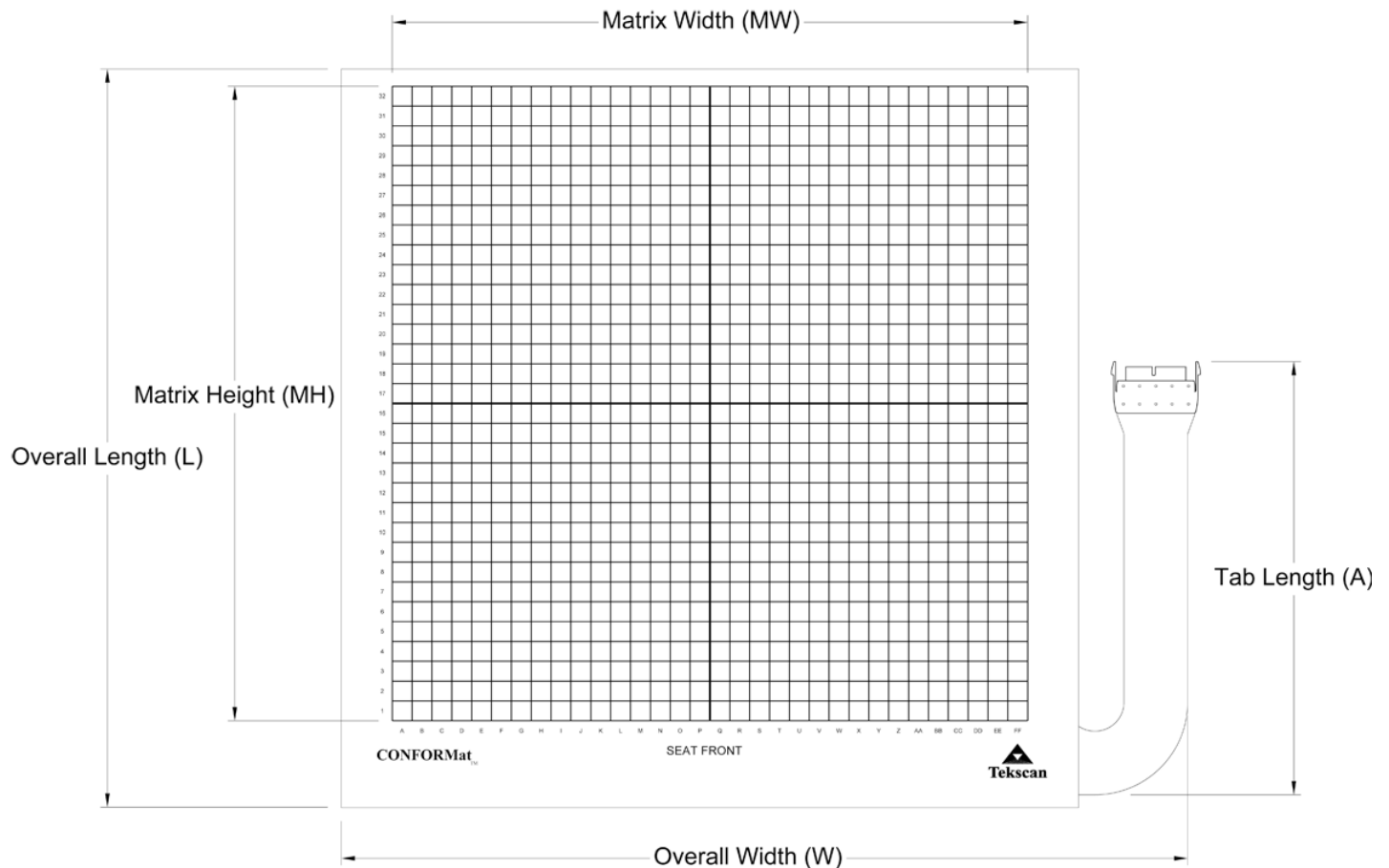
**Application Examples:** Pressure mapping and comfort studies of seats and cushions

### Features:

- Fully conforming sensor, sensor elements move freely in the X, Y, and Z axis
- Minimal interference with the client/support surface interface

### Requirements:

- *CONFORMat* or *BPMS™* software
- *VersaTek* Cuff



| Model        | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |      |                |                |      |                        | Resolution                  |
|--------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|------|----------------|----------------|------|------------------------|-----------------------------|
|              | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |      | Rows           |                |      | Total No.of<br>Sensels |                             |
|              |                     |                    |                 |                         |                     | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |                        |                             |
|              |                     |                    |                 |                         |                     |                |                |      |                |                |      |                        |                             |
| US 5330E     | (in.)<br>21.23      | (in.)<br>24.35     | (in.)<br>12.67  | (in.)<br>18.56          | (in.)<br>18.56      | (in.)<br>0.000 | (in.)<br>0.580 | 32   | (in.)<br>0.000 | (in.)<br>0.580 | 32   | 1024                   | (sensel per sq. in.)<br>3.0 |
| Metric 5330E | (mm)<br>539.2       | (mm)<br>618.4      | (mm)<br>321.8   | (mm)<br>471.4           | (mm)<br>471.4       | (mm)<br>0.0    | (mm)<br>14.7   | 32   | (mm)<br>0.0    | (mm)<br>14.7   | 32   | 1024                   | (sensel per sq. cm)<br>0.5  |

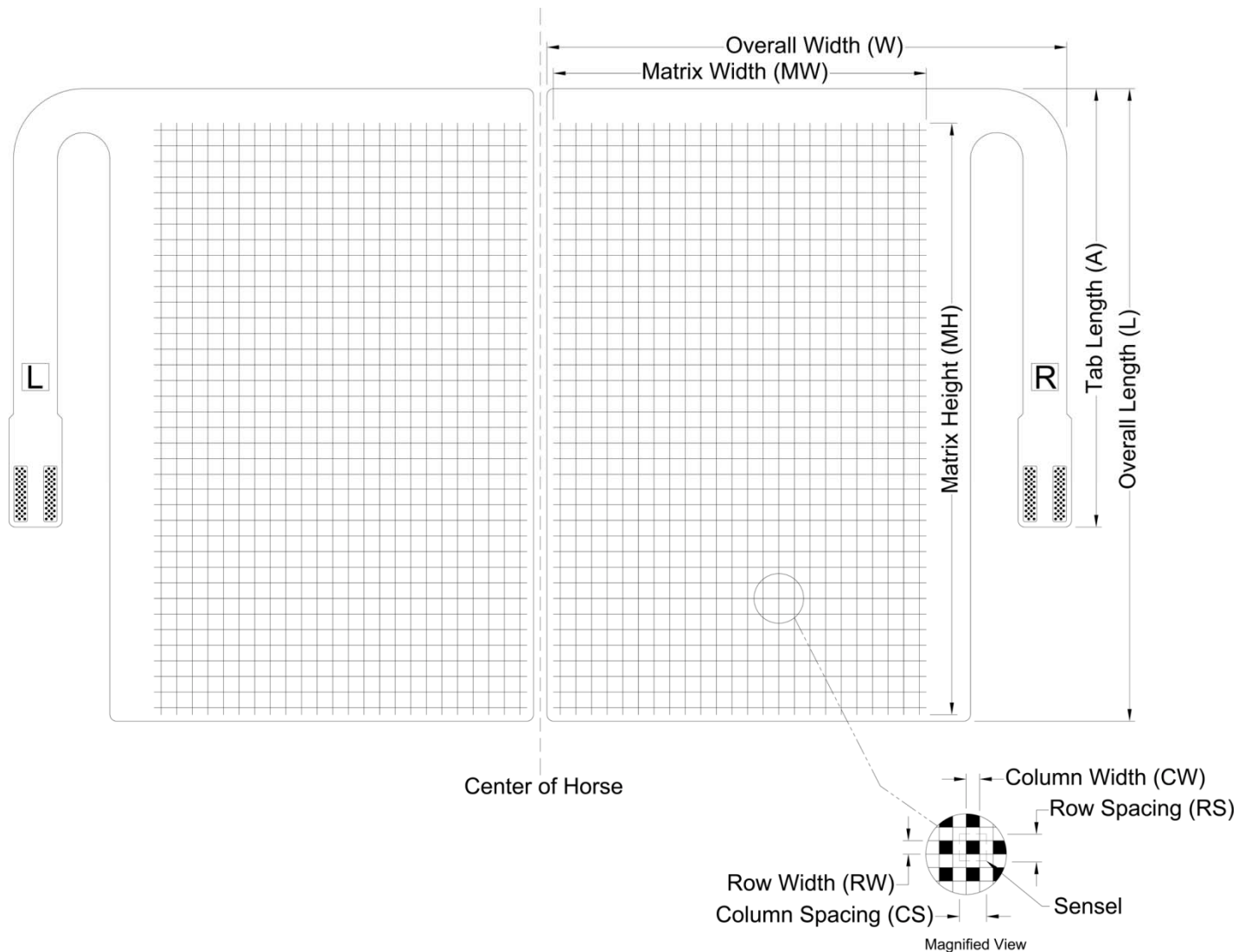
# SENSOR MODEL: 5360

## SENSOR NAME: *SADDLE™*

**Application Example:** Fitting horse saddles (Western and English styles)

### Requirements:

- (2) *F-Scan®* or *Mobile Cuffs*



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |    |                |                |    |                        |                             |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|----|----------------|----------------|----|------------------------|-----------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |    | Rows           |                |    | Total No.of<br>Sensels | Resolution                  |
|             |                     |                    |                 |                         |                     |                | Pitch          |    |                | Pitch          |    |                        | Sensel Density              |
|             | CW                  | CS                 | Qty.            | RW                      | RS                  | Qty.           |                |    |                |                |    |                        |                             |
| US 5360     | (in.)<br>23.51      | (in.)<br>19.50     | (in.)<br>16.29  | (in.)<br>13.92          | (in.)<br>22.04      | (in.)<br>0.430 | (in.)<br>0.580 | 24 | (in.)<br>0.430 | (in.)<br>0.580 | 38 | 912                    | (sensel per sq. in.)<br>3.0 |
| Metric 5360 | (mm)<br>597.1       | (mm)<br>495.3      | (mm)<br>413.8   | (mm)<br>353.6           | (mm)<br>559.8       | (mm)<br>10.9   | (mm)<br>14.7   | 24 | (mm)<br>10.9   | (mm)<br>14.7   | 38 | 912                    | (sensel per sq. cm)<br>0.5  |

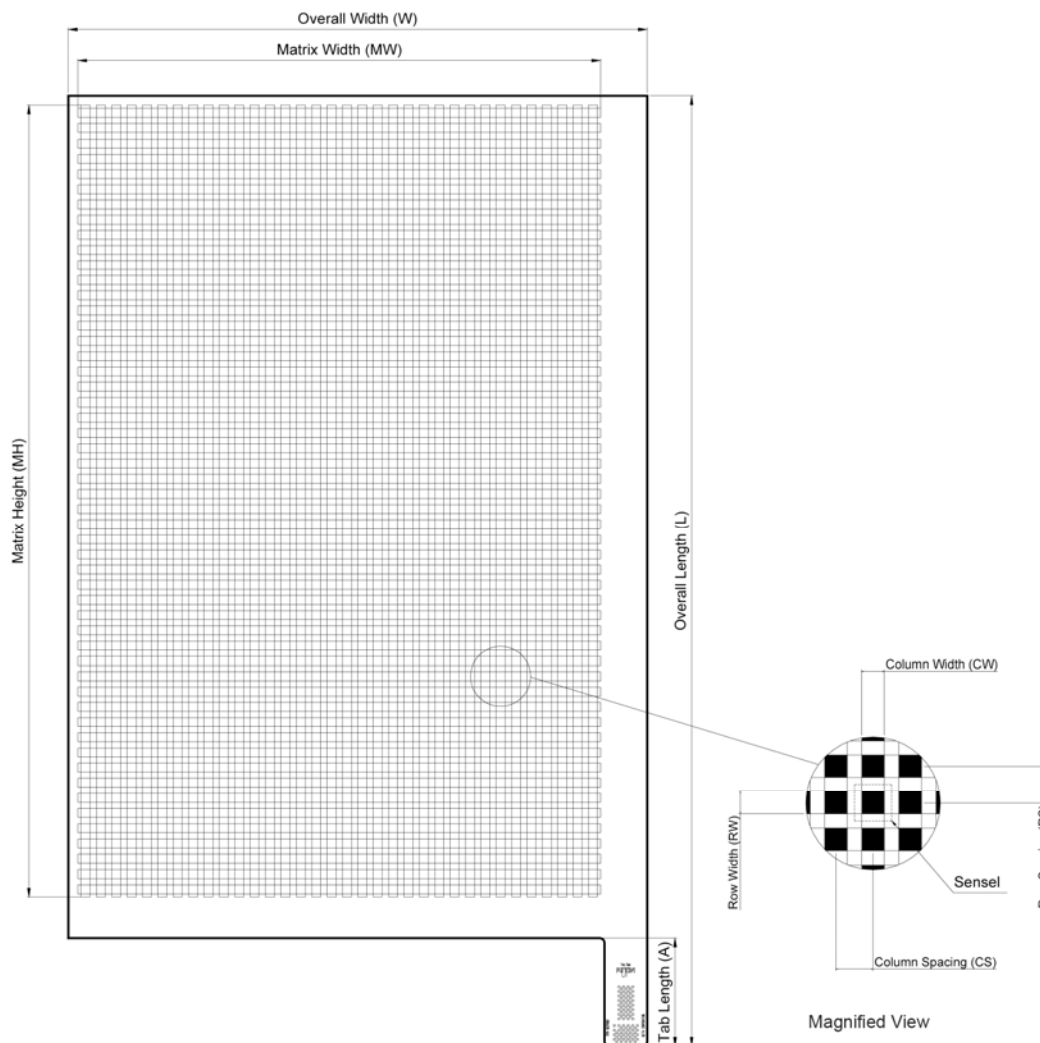
# SENSOR MODEL: 5400N

## SENSOR NAME: *HUGE-MAT*™

**Application Examples:** Ergonomic and comfort studies of seats, cushions and mattresses

### Features:

- Sensor is covered with a flexible backing material to increase its durability; total thickness of 0.33mm (0.012") includes flexible backing on both sides of sensor; thinner construction may be available
- Also available with protective platform for foot and hoof applications

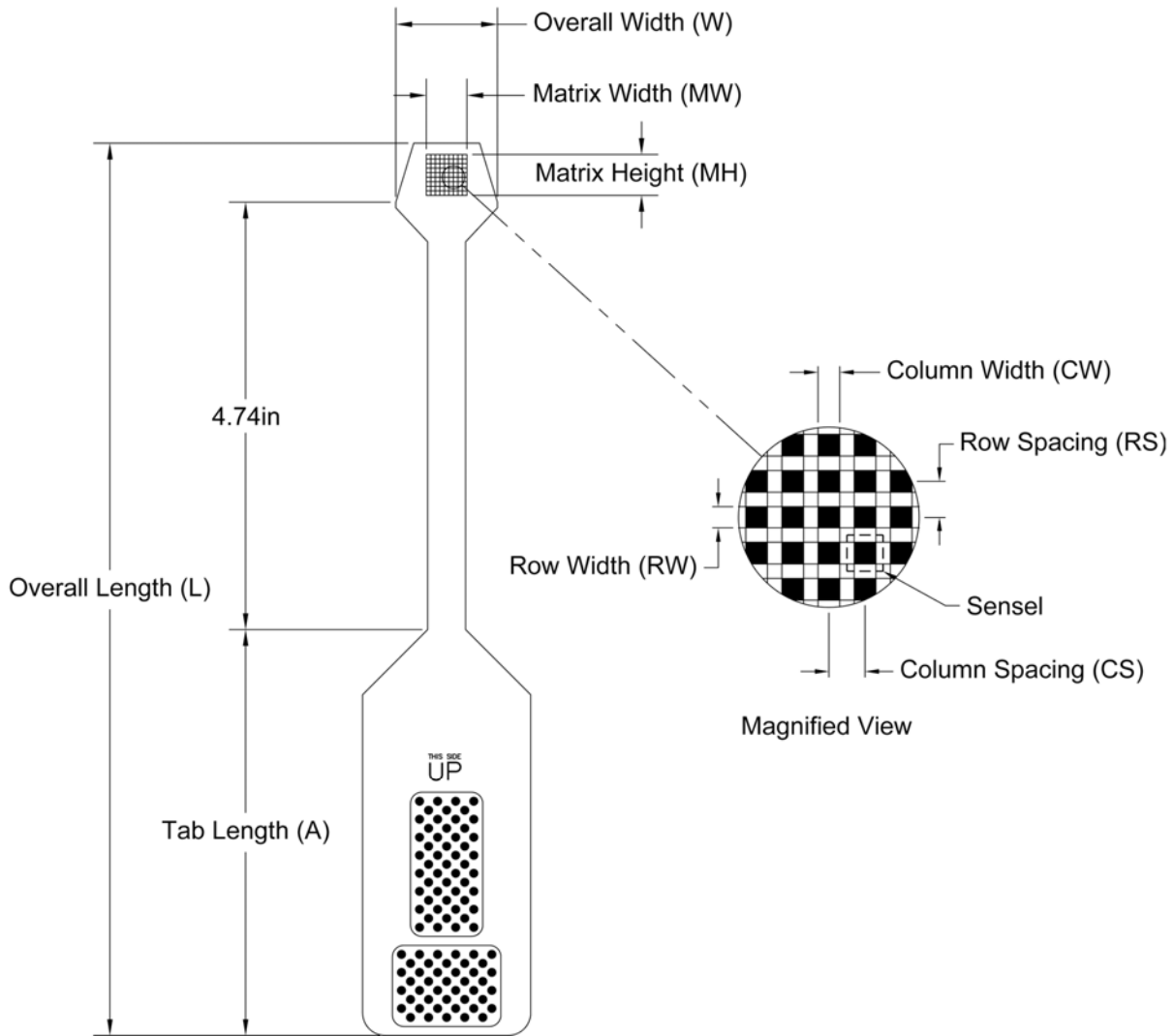


| Model        | General Dimensions |                 |              |                 |                  | Sensing Area Dimensions |             |      |             |             |      |                     |                          |
|--------------|--------------------|-----------------|--------------|-----------------|------------------|-------------------------|-------------|------|-------------|-------------|------|---------------------|--------------------------|
|              | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW | Matrix Height MH | Columns                 |             |      | Rows        |             |      | Total No.of Sensels | Resolution               |
|              |                    |                 |              |                 |                  | CW                      | Pitch CS    | Qty. | RW          | Pitch RS    | Qty. |                     | Sensel Density           |
| US 5400N     | (in.) 41.73        | (in.) 25.20     | (in.) 4.72   | (in.) 22.76     | (in.) 34.80      | (in.) 0.394             | (in.) 0.669 | 34   | (in.) 0.394 | (in.) 0.669 | 52   | 1768                | (sensel per sq. in.) 2.2 |
| Metric 5400N | (mm) 1060.0        | (mm) 640.0      | (mm) 120.0   | (mm) 578.0      | (mm) 884.0       | (mm) 10.0               | (mm) 17.0   | 34   | (mm) 10.0   | (mm) 17.0   | 52   | 1768                | (sensel per sq. cm) 0.3  |

**SENSOR NAME: I-SCAN<sup>®</sup>**

### Application Example: Small contact patches

**Feature:** Internal vent



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |    |                |                |    |                        |                                  |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|----|----------------|----------------|----|------------------------|----------------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |    | Rows           |                |    | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|             |                     |                    |                 |                         |                     |                | Pitch          |    |                | Pitch          |    |                        |                                  |
|             | CW                  | CS                 | Qty.            | RW                      | RS                  | Qty.           |                |    |                |                |    |                        |                                  |
| US 5800     | (in.)<br>9.96       | (in.)<br>1.15      | (in.)<br>4.51   | (in.)<br>0.50           | (in.)<br>0.50       | (in.)<br>0.010 | (in.)<br>0.050 | 10 | (in.)<br>0.010 | (in.)<br>0.050 | 10 | 100                    | (sensel per sq. in.)<br>400.0    |
| Metric 5800 | (mm)<br>253.0       | (mm)<br>29.1       | (mm)<br>114.6   | (mm)<br>12.7            | (mm)<br>12.7        | (mm)<br>0.3    | (mm)<br>1.3    | 10 | (mm)<br>0.3    | (mm)<br>1.3    | 10 | 100                    | (sensel per sq. cm)<br>62.0      |



SENSOR MODEL: 6900

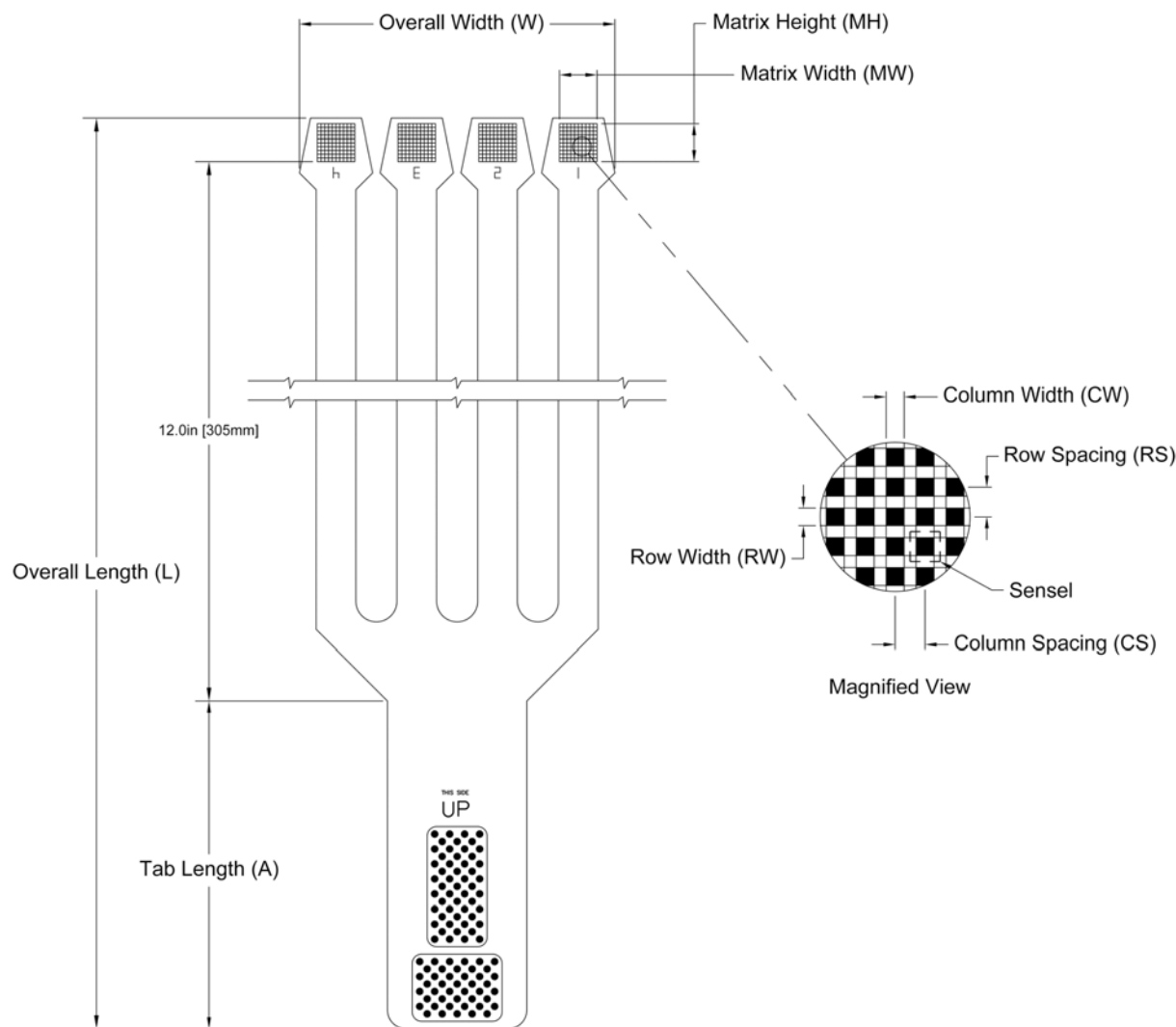
SENSOR NAME: QUAD

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Application Example: Joint analysis (vertebrae)

Features:

- Four independent sensing fingers
- Internal vent



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |      |                |                |      |                        | Resolution                    |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|------|----------------|----------------|------|------------------------|-------------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |      | Rows           |                |      | Total No.of<br>Sensels |                               |
|             |                     |                    |                 |                         |                     | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |                        |                               |
|             |                     |                    |                 |                         |                     |                |                |      |                |                |      |                        |                               |
| US 6900     | (in.)<br>17.00      | (in.)<br>4.21      | (in.)<br>4.39   | (in.)<br>0.55           | (in.)<br>0.55       | (in.)<br>0.025 | (in.)<br>0.050 | 11   | (in.)<br>0.025 | (in.)<br>0.050 | 11   | 121                    | (sensel per sq. in.)<br>400.0 |
| Metric 6900 | (mm)<br>431.8       | (mm)<br>107.0      | (mm)<br>111.4   | (mm)<br>14.0            | (mm)<br>14.0        | (mm)<br>0.6    | (mm)<br>1.3    | 11   | (mm)<br>0.6    | (mm)<br>1.3    | 11   | 121                    | (sensel per sq. cm)<br>62.0   |

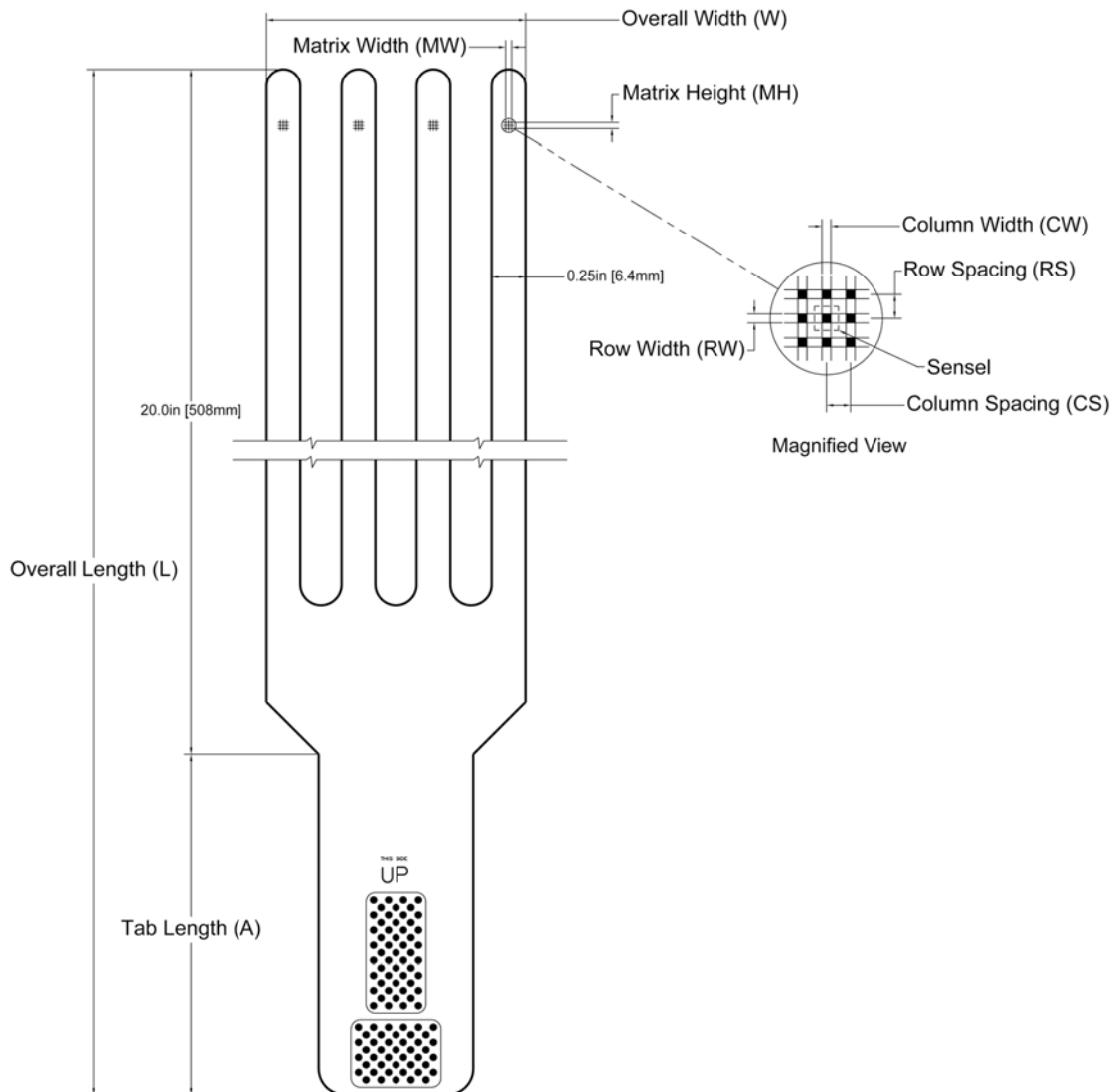
# SENSOR MODEL: 6911

## SENSOR NAME: QUAD

**Application Example:** Sensing for human fingertips

### Features:

- Four independent sensing fingers
- Internal vent



| Model          | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |                |                |      |                |                |      |                        | Resolution<br><br>Sensel Density |
|----------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|----------------|----------------|------|----------------|----------------|------|------------------------|----------------------------------|
|                | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns        |                |      | Rows           |                |      | Total No.of<br>Sensels |                                  |
|                |                        |                       |                    |                         |                        | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |                        |                                  |
|                |                        |                       |                    |                         |                        |                |                |      |                |                |      |                        |                                  |
| US<br>6911     | (in.)<br>24.50         | (in.)<br>3.25         | (in.)<br>4.46      | (in.)<br>0.12           | (in.)<br>0.12          | (in.)<br>0.015 | (in.)<br>0.040 | 3    | (in.)<br>0.015 | (in.)<br>0.040 | 3    | 9                      | (sensel per sq. in.)<br>625.0    |
| Metric<br>6911 | (mm)<br>622.3          | (mm)<br>82.6          | (mm)<br>113.2      | (mm)<br>3.0             | (mm)<br>3.0            | (mm)<br>0.4    | (mm)<br>1.0    | 3    | (mm)<br>0.4    | (mm)<br>1.0    | 3    | 9                      | (sensel per sq. cm)<br>96.9      |

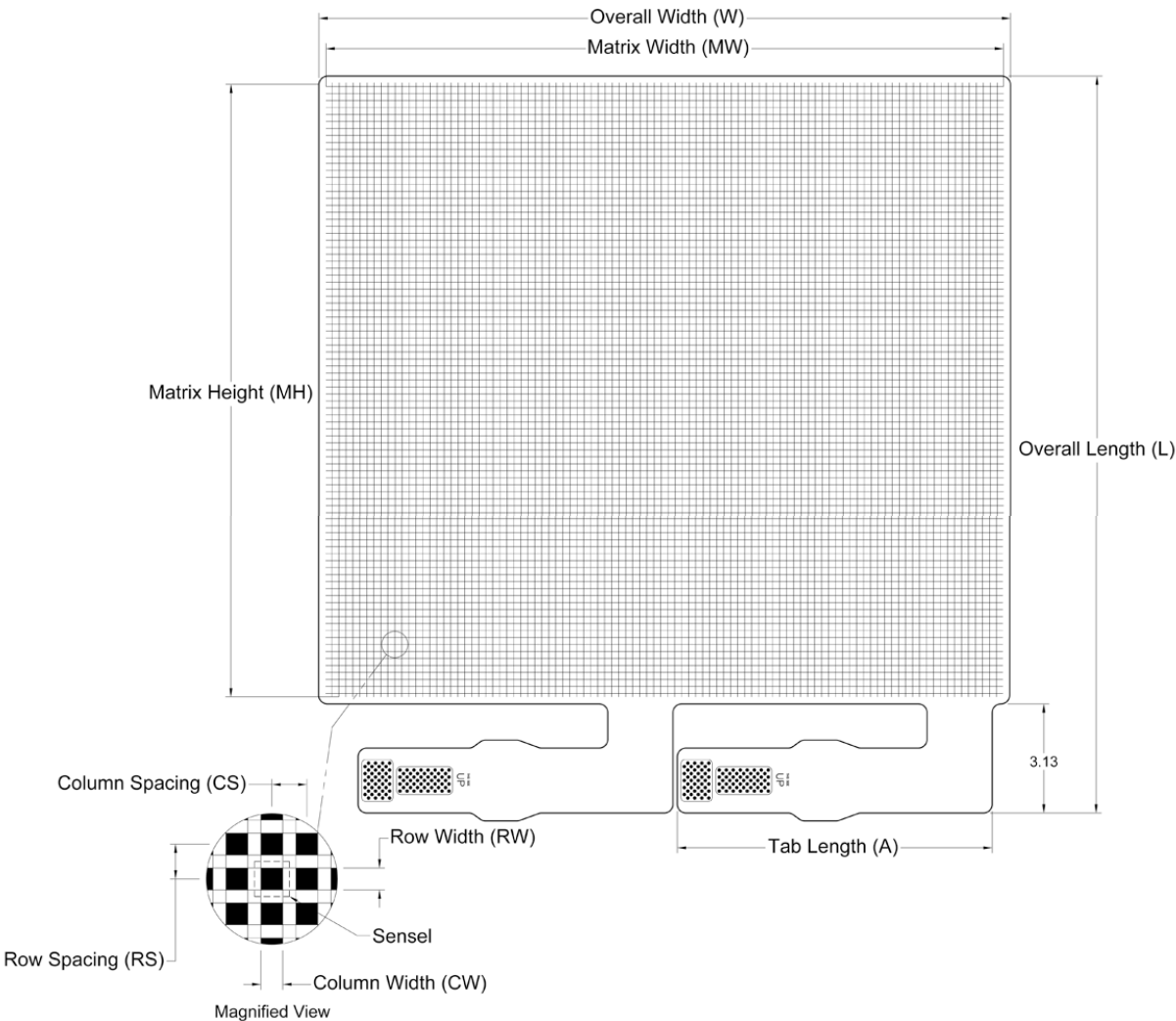
SENSOR MODEL: 7101

SENSOR NAME: *HR MAT*™

Application Example: High resolution mat for barefoot analysis

Features: External vents

Requirement: Dual Handles



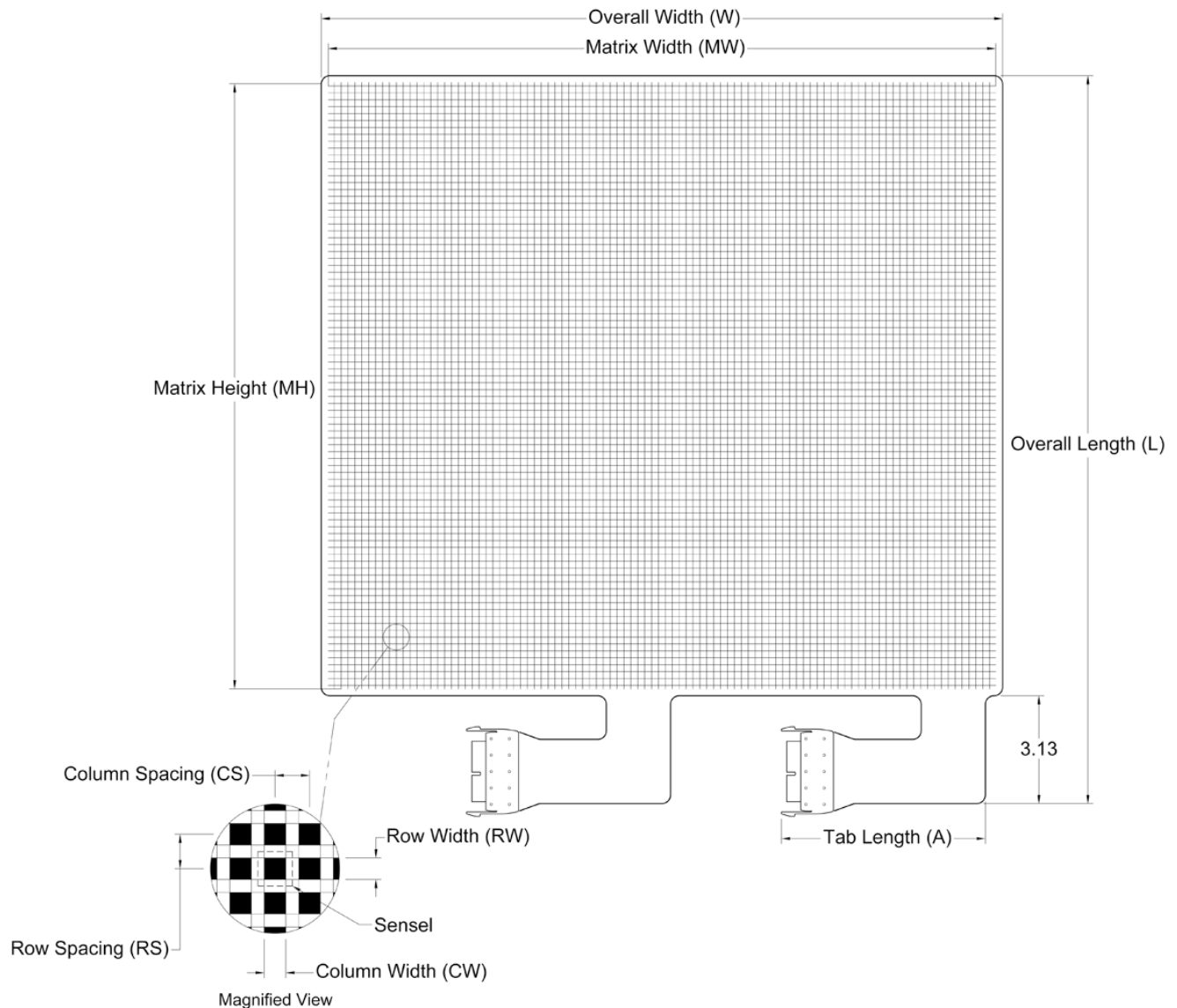
|        |  | General Dimensions |               |            |              |               | Sensing Area Dimensions |          |      |       |          |      |                      |
|--------|--|--------------------|---------------|------------|--------------|---------------|-------------------------|----------|------|-------|----------|------|----------------------|
| Model  |  | Overall Length     | Overall Width | Tab Length | Matrix Width | Matrix Height | Columns                 |          |      | Rows  |          |      | Resolution           |
|        |  | L                  | W             | A          | MW           | MH            | CW                      | Pitch CS | Qty. | RW    | Pitch RS | Qty. | Total No.of Sensels  |
|        |  |                    |               |            |              |               |                         |          |      |       |          |      | Sensel Density       |
| US     |  | (in.)              | (in.)         | (in.)      | (in.)        | (in.)         | (in.)                   | (in.)    |      | (in.) | (in.)    |      | (sensel per sq. in.) |
| 7101   |  | 21.35              | 19.75         | 9.00       | 19.20        | 17.60         | 0.125                   | 0.200    | 96   | 0.125 | 0.200    | 88   | 8448                 |
| Metric |  | (mm)               | (mm)          | (mm)       | (mm)         | (mm)          | (mm)                    | (mm)     |      | (mm)  | (mm)     |      | (sensel per sq. cm)  |
| 7101   |  | 542.3              | 501.7         | 228.6      | 487.7        | 447.0         | 3.2                     | 5.1      | 96   | 3.2   | 5.1      | 88   | 8448                 |
|        |  |                    |               |            |              |               |                         |          |      |       |          |      | 3.9                  |

**SENSOR MODEL: 7101E**  
**SENSOR NAME: *HR MAT*™ EDGE**

### Application Example: High resolution mat for barefoot analysis

**Feature:** External vents

**Requirement: (2) VersaTek® Cuffs**



| Model        | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |                |             |                |                |                        |                            |
|--------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|----------------|-------------|----------------|----------------|------------------------|----------------------------|
|              | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |                | Rows        |                |                | Total No.of<br>Sensels | Resolution                 |
|              |                     |                    |                 |                         |                     | CW             | Pitch<br>CS    | Qty.           | RW          | Pitch<br>RS    | Qty.           |                        | Sensel Density             |
|              | US 7101E            | (in.)<br>21.35     | (in.)<br>19.75  | (in.)<br>5.91           | (in.)<br>19.20      | (in.)<br>17.60 | (in.)<br>0.125 | (in.)<br>0.200 | 96          | (in.)<br>0.125 | (in.)<br>0.200 | 88                     | 8448                       |
| Metric 7101E | (mm)<br>542.3       | (mm)<br>501.7      | (mm)<br>150.1   | (mm)<br>487.7           | (mm)<br>447.0       | (mm)<br>3.2    | (mm)<br>5.1    | 96             | (mm)<br>3.2 | (mm)<br>5.1    | 88             | 8448                   | (sensel per sq. cm)<br>3.9 |

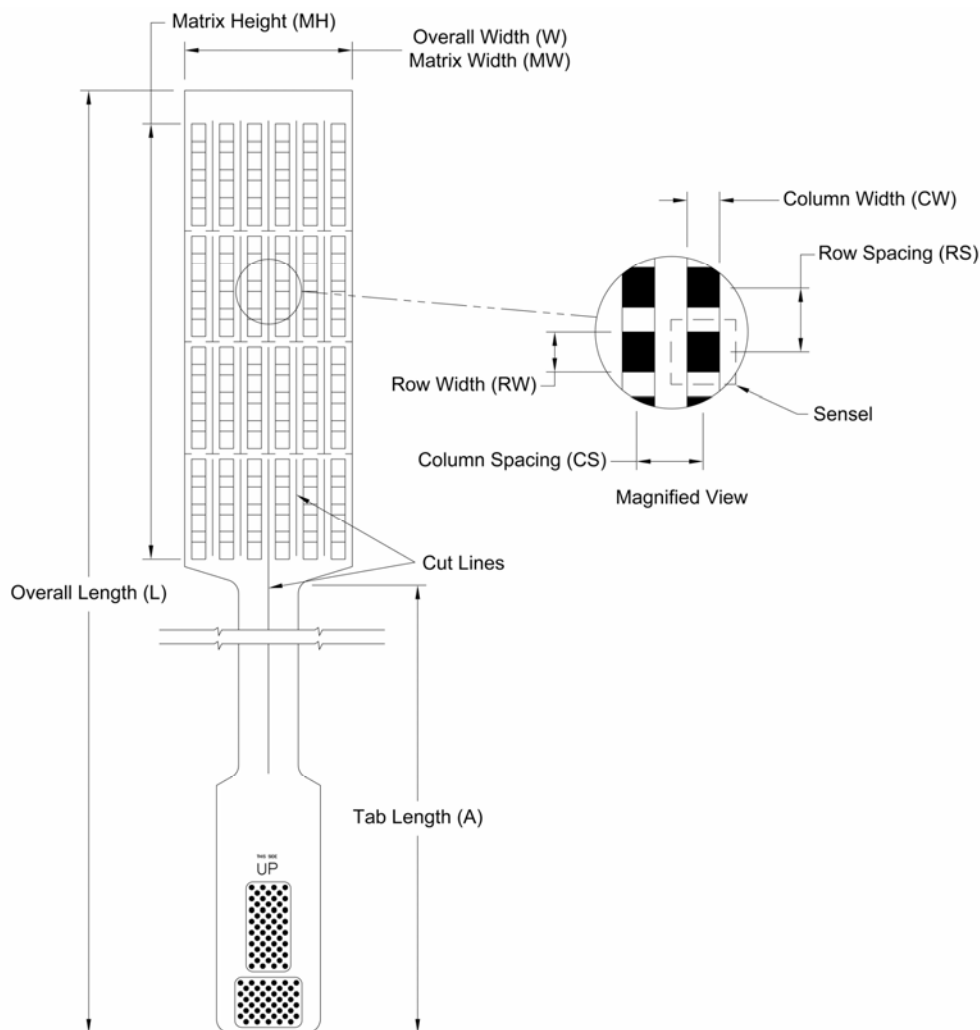
# SENSOR MODEL: 9801

## SENSOR NAME: PROSTHETIC

**Application Examples:** Prosthetic assessment, handgrips, clothing fit, diaper, pressure garments, and prosthetic

### Features:

- Trimmable
- Can be slit into six independent strips of 16 sensing cells each
- External vents



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |   |                |                |    |                        |                                  |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|---|----------------|----------------|----|------------------------|----------------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |   | Rows           |                |    | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|             |                     |                    |                 |                         |                     |                |                |   |                |                |    |                        |                                  |
|             | CW                  | Pitch<br>CS        | Qty.            | RW                      | Pitch<br>RS         | Qty.           |                |   |                |                |    |                        |                                  |
| US 9801     | (in.)<br>24.50      | (in.)<br>3.00      | (in.)<br>15.48  | (in.)<br>3.00           | (in.)<br>8.00       | (in.)<br>0.250 | (in.)<br>0.500 | 6 | (in.)<br>0.310 | (in.)<br>0.500 | 16 | 96                     | (sensel per sq. in.)<br>4.0      |
| Metric 9801 | (mm)<br>622.3       | (mm)<br>76.2       | (mm)<br>393.2   | (mm)<br>76.2            | (mm)<br>203.2       | (mm)<br>6.4    | (mm)<br>12.7   | 6 | (mm)<br>7.9    | (mm)<br>12.7   | 16 | 96                     | (sensel per sq. cm)<br>0.6       |

# SENSOR MODEL: 9811

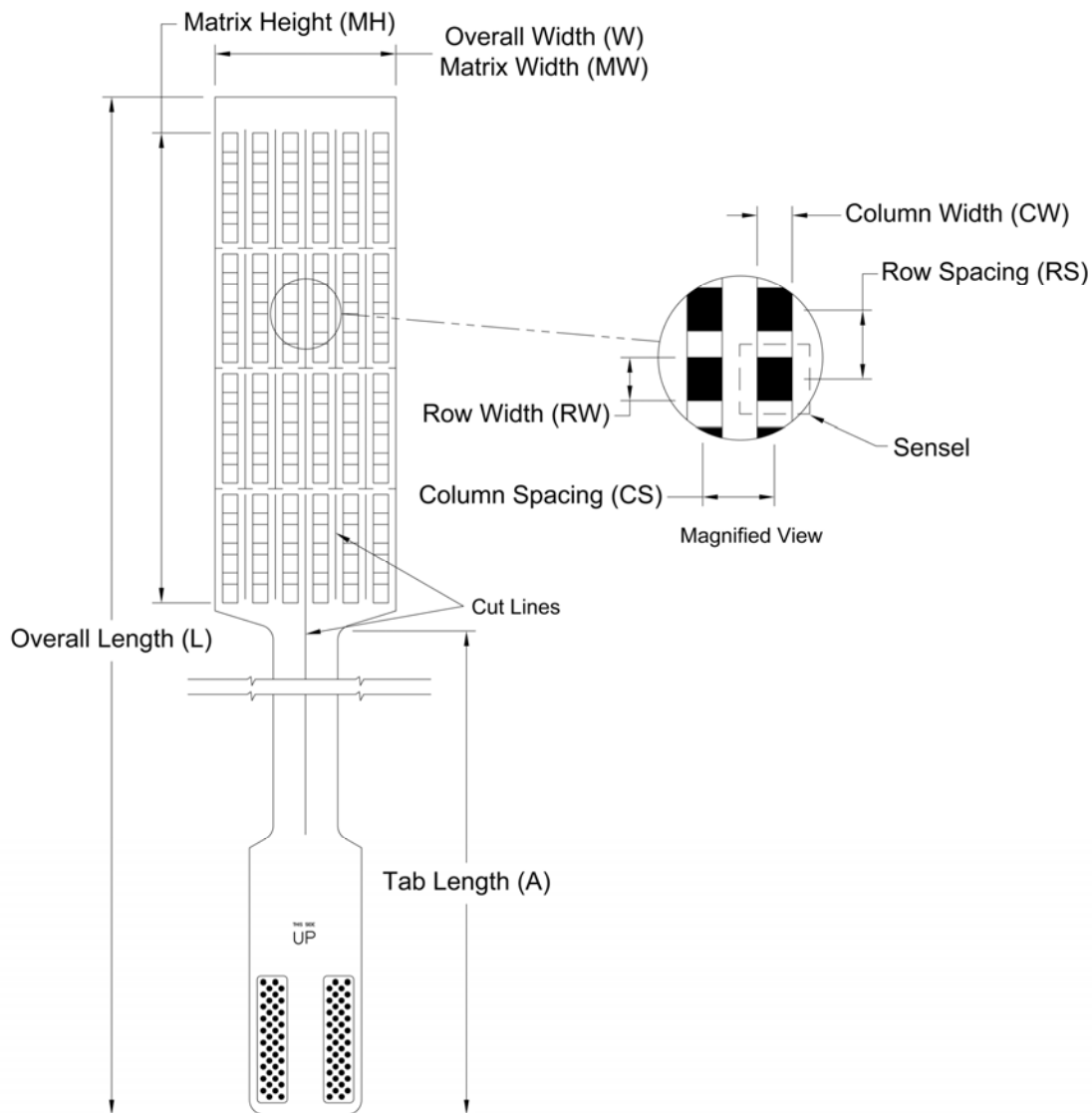
## SENSOR NAME: *F-SOCKET™*

**Application Examples:** Prosthetic assessment, handgrips, clothing fit, diaper and pressure garments

### Features:

- Can be slit into six independent strips of 16 sensing cells each
- External vents

**Requirement:** *F-Scan®* Cuff



| Model       | General Dimensions |                 |                | Sensing Area Dimensions |                  |                |                |   |                |                |    |                     |                             |
|-------------|--------------------|-----------------|----------------|-------------------------|------------------|----------------|----------------|---|----------------|----------------|----|---------------------|-----------------------------|
|             | Overall Length L   | Overall Width W | Tab Length A   | Matrix Width MW         | Matrix Height MH | Columns        |                |   | Rows           |                |    | Total No.of Sensels | Resolution                  |
|             |                    |                 |                |                         |                  |                | Pitch          |   |                | Pitch          |    |                     | Sensel Density              |
|             | CW                 | CS              | Qty.           | RW                      | RS               | Qty.           |                |   |                |                |    |                     |                             |
| US 9811     | (in.)<br>24.50     | (in.)<br>3.00   | (in.)<br>15.48 | (in.)<br>3.00           | (in.)<br>8.00    | (in.)<br>0.250 | (in.)<br>0.500 | 6 | (in.)<br>0.310 | (in.)<br>0.500 | 16 | 96                  | (sensel per sq. in.)<br>4.0 |
| Metric 9811 | (mm)<br>622.3      | (mm)<br>76.2    | (mm)<br>393.2  | (mm)<br>76.2            | (mm)<br>203.2    | (mm)<br>6.4    | (mm)<br>12.7   | 6 | (mm)<br>7.9    | (mm)<br>12.7   | 16 | 96                  | (sensel per sq. cm)<br>0.6  |

# SENSOR MODEL: 9811E

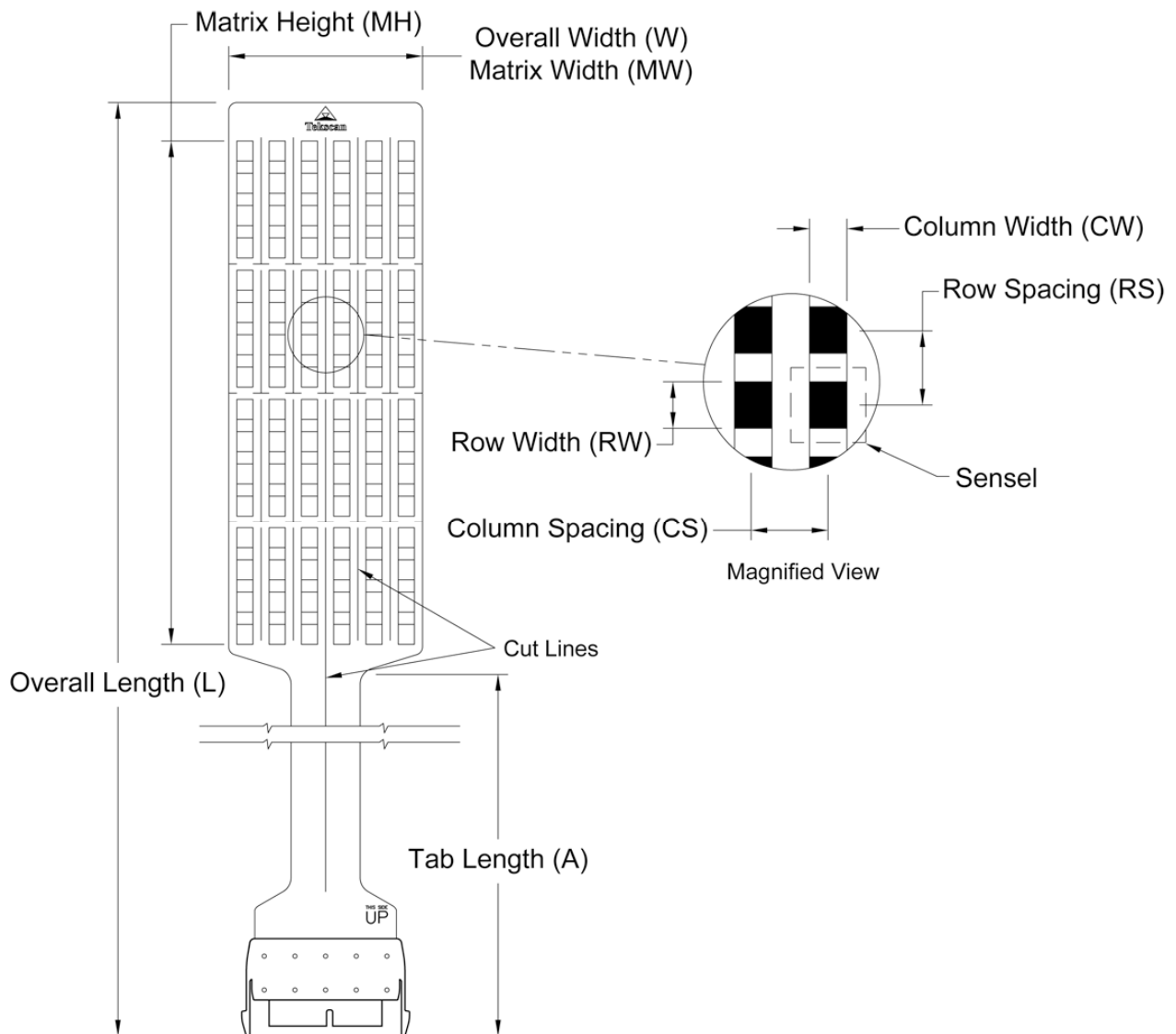
## SENSOR NAME: *F-SOCKET™* EDGE

**Application Example:** Prosthetic assessment, handgrips, clothing fit, diaper and pressure garments

### Features:

- Can be slit into six independent strips of 16 sensing cells each
- External vents

**Requirement:** *VersaTek®* Cuff



| Model           | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |                |              |      |                |                |      |                        | Resolution<br><br>Sensel Density |
|-----------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|----------------|--------------|------|----------------|----------------|------|------------------------|----------------------------------|
|                 | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns        |              |      | Rows           |                |      | Total No.of<br>Sensels |                                  |
|                 |                        |                       |                    |                         |                        | CW             | Pitch<br>CS  | Qty. | RW             | Pitch<br>RS    | Qty. |                        |                                  |
|                 |                        |                       |                    |                         |                        |                |              |      |                |                |      |                        |                                  |
| US<br>9811E     | (in.)<br>21.45         | (in.)<br>3.00         | (in.)<br>12.43     | (in.)<br>3.00           | (in.)<br>8.00          | (in.)<br>0.250 | (in.)<br>0.5 | 6    | (in.)<br>0.310 | (in.)<br>0.500 | 16   | 96                     | (sensel per sq. in.)<br>4.0      |
| Metric<br>9811E | (mm)<br>544.8          | (mm)<br>76.2          | (mm)<br>315.7      | (mm)<br>76.2            | (mm)<br>203.2          | (mm)<br>6.4    | (mm)<br>12.7 | 6    | (mm)<br>7.9    | (mm)<br>12.7   | 16   | 96                     | (sensel per sq. cm)<br>0.6       |

# SENSOR MODEL: 9820N

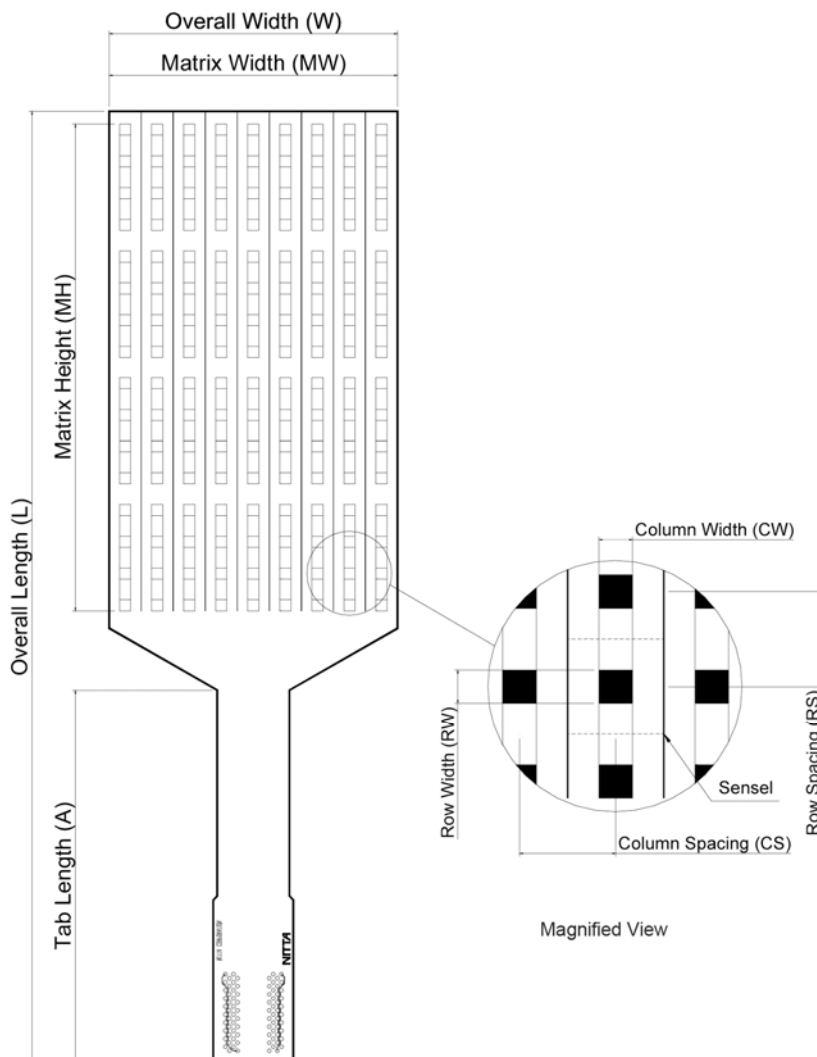
## SENSOR NAME: LARGE SOCKET

**Application Example:** Prosthetic socket pressures

### Special Features:

- Trimmable into nine fingers or into a basket
- Will conform to a complex shape

**Requirement:** *F-Scan®* Cuff



| Model           | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |                |             |                |                |                        |                                  |
|-----------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|----------------|-------------|----------------|----------------|------------------------|----------------------------------|
|                 | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |                | Rows        |                |                | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|                 |                     |                    |                 |                         |                     | CW             | Pitch<br>CS    | Qty.           | RW          | Pitch<br>RS    | Qty.           |                        |                                  |
|                 | US<br>9820N         | (in.)<br>23.62     | (in.)<br>7.09   | (in.)<br>9.13           | (in.)<br>6.57       | (in.)<br>12.09 | (in.)<br>0.276 | (in.)<br>0.787 | 9           | (in.)<br>0.276 | (in.)<br>0.787 | 16                     |                                  |
| Metric<br>9820N | (mm)<br>600.0       | (mm)<br>180.0      | (mm)<br>232.0   | (mm)<br>167.0           | (mm)<br>307.0       | (mm)<br>7.0    | (mm)<br>20.0   | 9              | (mm)<br>7.0 | (mm)<br>20.0   | 16             |                        | (sensel per sq. cm)<br>0.3       |



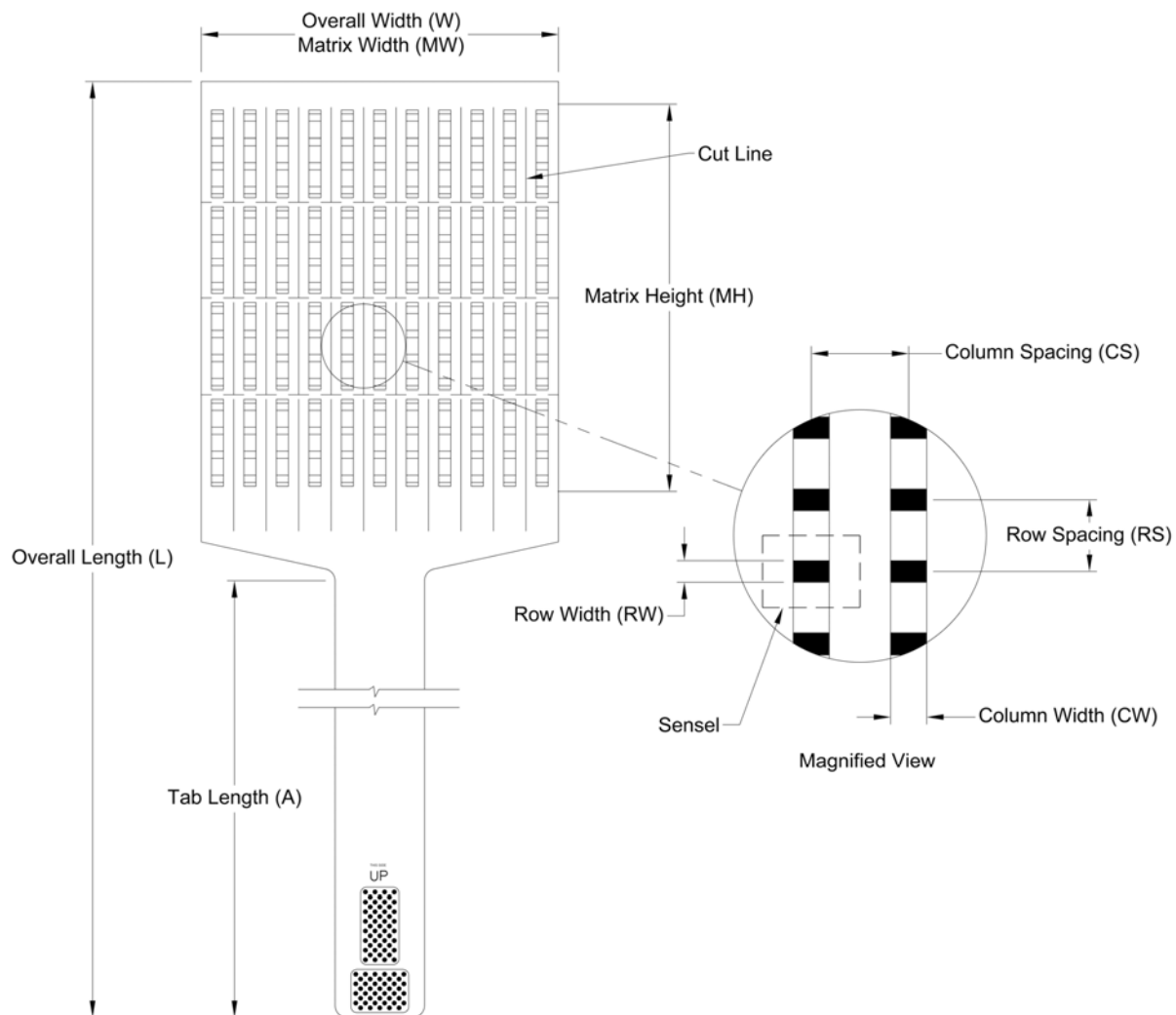
# SENSOR MODEL: 9830

## SENSOR NAME: LARGE PROSTHETIC

**Application Examples:** Prosthetic assessment, handgrips, clothing fit, diaper, and pressure garments

### Features:

- Can be slit into eleven independent sensing strips of 16 sensing cells each
- External vents



| Model       | General Dimensions |               |            | Sensing Area Dimensions |               |         |       |      |       |       |      |                     |                              |
|-------------|--------------------|---------------|------------|-------------------------|---------------|---------|-------|------|-------|-------|------|---------------------|------------------------------|
|             | Overall Length     | Overall Width | Tab Length | Matrix Width            | Matrix Height | Columns |       |      | Rows  |       |      | Total No.of Sensels | Resolution<br>Sensel Density |
|             | L                  | W             | A          | MW                      | MH            | CW      | CS    | Qty. | RW    | RS    | Qty. |                     |                              |
|             | (in.)              | (in.)         | (in.)      | (in.)                   | (in.)         | (in.)   | (in.) |      | (in.) | (in.) |      |                     | (sensel per sq. in.)         |
| US 9830     | 24.45              | 7.43          | 14.07      | 7.43                    | 8.00          | 0.250   | 0.675 | 11   | 0.150 | 0.500 | 16   | 176                 | 3.0                          |
| Metric 9830 | (mm)               | (mm)          | (mm)       | (mm)                    | (mm)          | (mm)    | (mm)  |      | (mm)  | (mm)  |      |                     | (sensel per sq. cm)          |
|             | 621.0              | 188.6         | 357.4      | 188.6                   | 203.2         | 6.4     | 17.1  | 11   | 3.8   | 12.7  | 16   | 176                 | 0.5                          |

# SENSOR MODEL: 9831

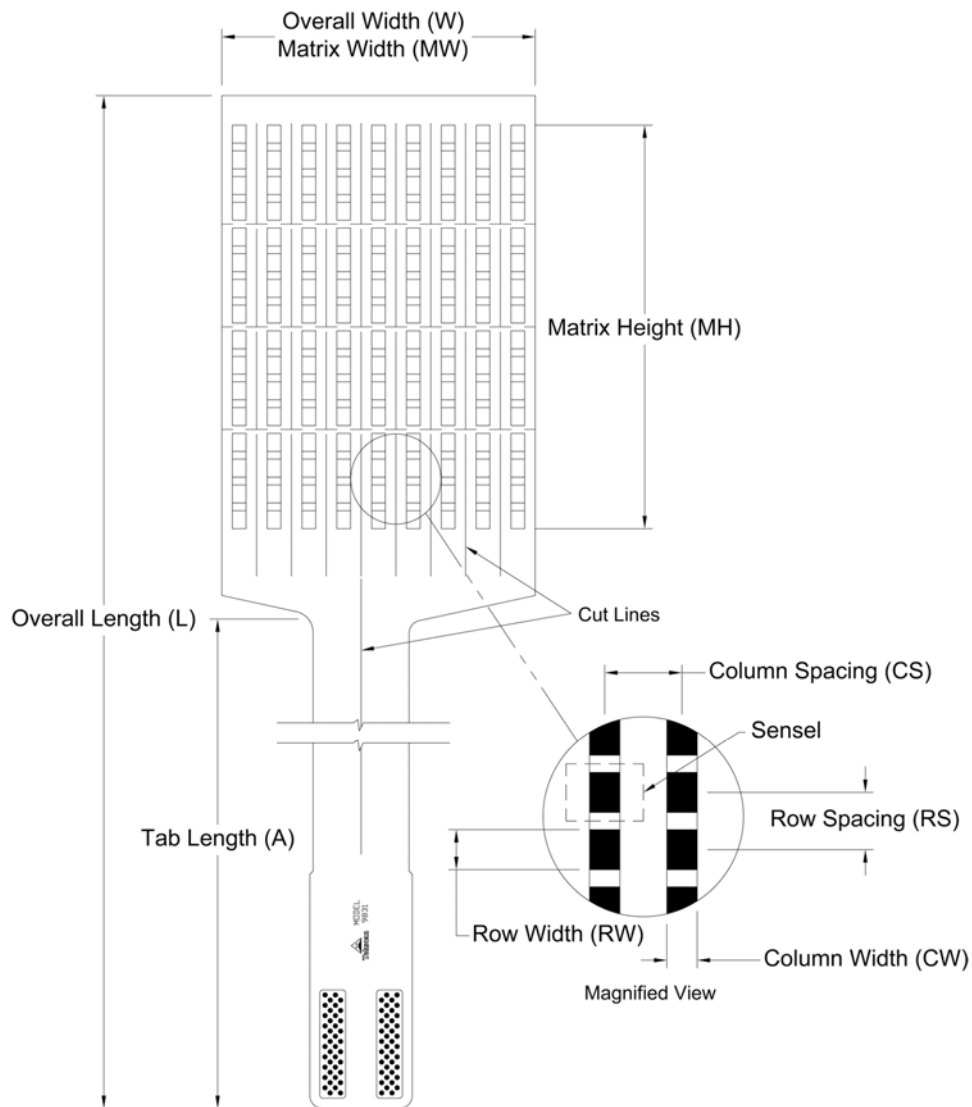
## SENSOR NAME: LARGE PROSTHETIC

**Application Example:** Prosthetic assessment

**Features:**

- Can be slit into nine independent sensing strips of 16 sensing cells each
- External vents

**Requirement:** *F-Scan®* Cuff



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |   |                |                |    |                        | Resolution<br><br>Sensel Density |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|---|----------------|----------------|----|------------------------|----------------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |   | Rows           |                |    | Total No.of<br>Sensels |                                  |
|             |                     |                    |                 |                         |                     |                | Pitch          |   |                | Pitch          |    |                        |                                  |
|             | CW                  | CS                 | Qty.            | RW                      | RS                  | Qty.           |                |   |                |                |    |                        |                                  |
| US 9831     | (in.)<br>24.45      | (in.)<br>6.07      | (in.)<br>14.00  | (in.)<br>6.08           | (in.)<br>8.00       | (in.)<br>0.265 | (in.)<br>0.675 | 9 | (in.)<br>0.350 | (in.)<br>0.500 | 16 | 144                    | (sensel per sq. in.)<br>3.0      |
| Metric 9831 | (mm)<br>621.0       | (mm)<br>154.2      | (mm)<br>355.6   | (mm)<br>154.3           | (mm)<br>203.2       | (mm)<br>6.7    | (mm)<br>17.1   | 9 | (mm)<br>8.9    | (mm)<br>12.7   | 16 | 144                    | (sensel per sq. cm)<br>0.5       |

# SENSOR MODEL: 9833

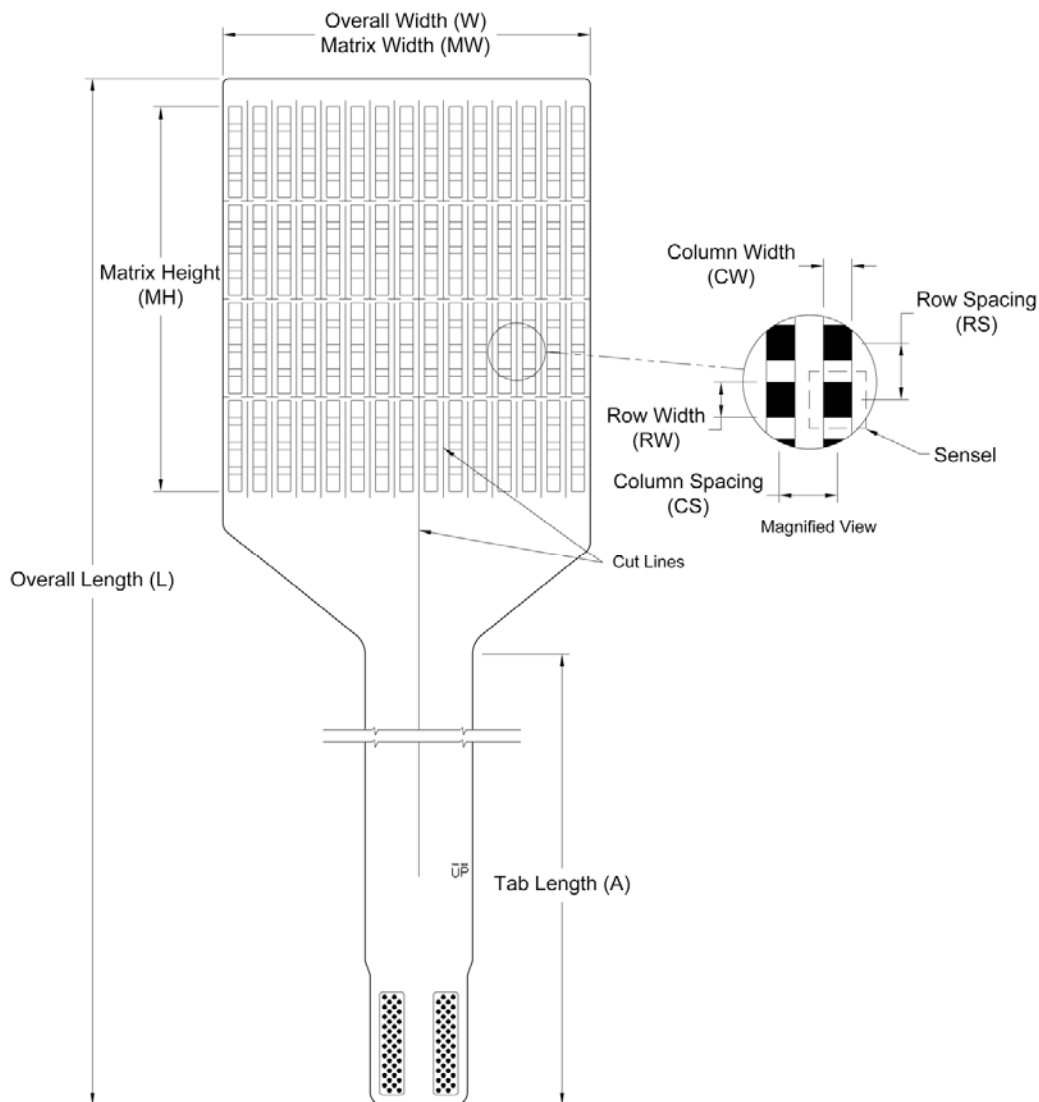
## SENSOR NAME: LARGE *F-SOCKET*™

**Application Example:** Prosthetic assessment

### Features:

- Can be slit into 15 independent sensing strips of 16 sensing cells each
- External vents

**Requirement:** *F-Scan*® Cuff



| Model          | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |                |                |    |                |                |    |                        | Resolution<br><br>Sensel Density |
|----------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|----------------|----------------|----|----------------|----------------|----|------------------------|----------------------------------|
|                | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns        |                |    | Rows           |                |    | Total No.of<br>Sensels |                                  |
|                |                        |                       |                    |                         |                        |                | Pitch          |    |                | Pitch          |    |                        |                                  |
|                | CW                     | CS                    | Qty.               | RW                      | RS                     | Qty.           |                |    |                |                |    |                        |                                  |
| US<br>9833     | (in.)<br>24.50         | (in.)<br>7.50         | (in.)<br>12.73     | (in.)<br>7.50           | (in.)<br>8.00          | (in.)<br>0.265 | (in.)<br>0.500 | 15 | (in.)<br>0.350 | (in.)<br>0.500 | 16 | 240                    | (sensel per sq. in.)<br>4.0      |
| Metric<br>9833 | (mm)<br>622.3          | (mm)<br>190.5         | (mm)<br>323.3      | (mm)<br>190.5           | (mm)<br>203.2          | (mm)<br>6.7    | (mm)<br>12.7   | 15 | (mm)<br>8.9    | (mm)<br>12.7   | 16 | 240                    | (sensel per sq. cm)<br>0.6       |

# SENSOR MODEL: 9833E

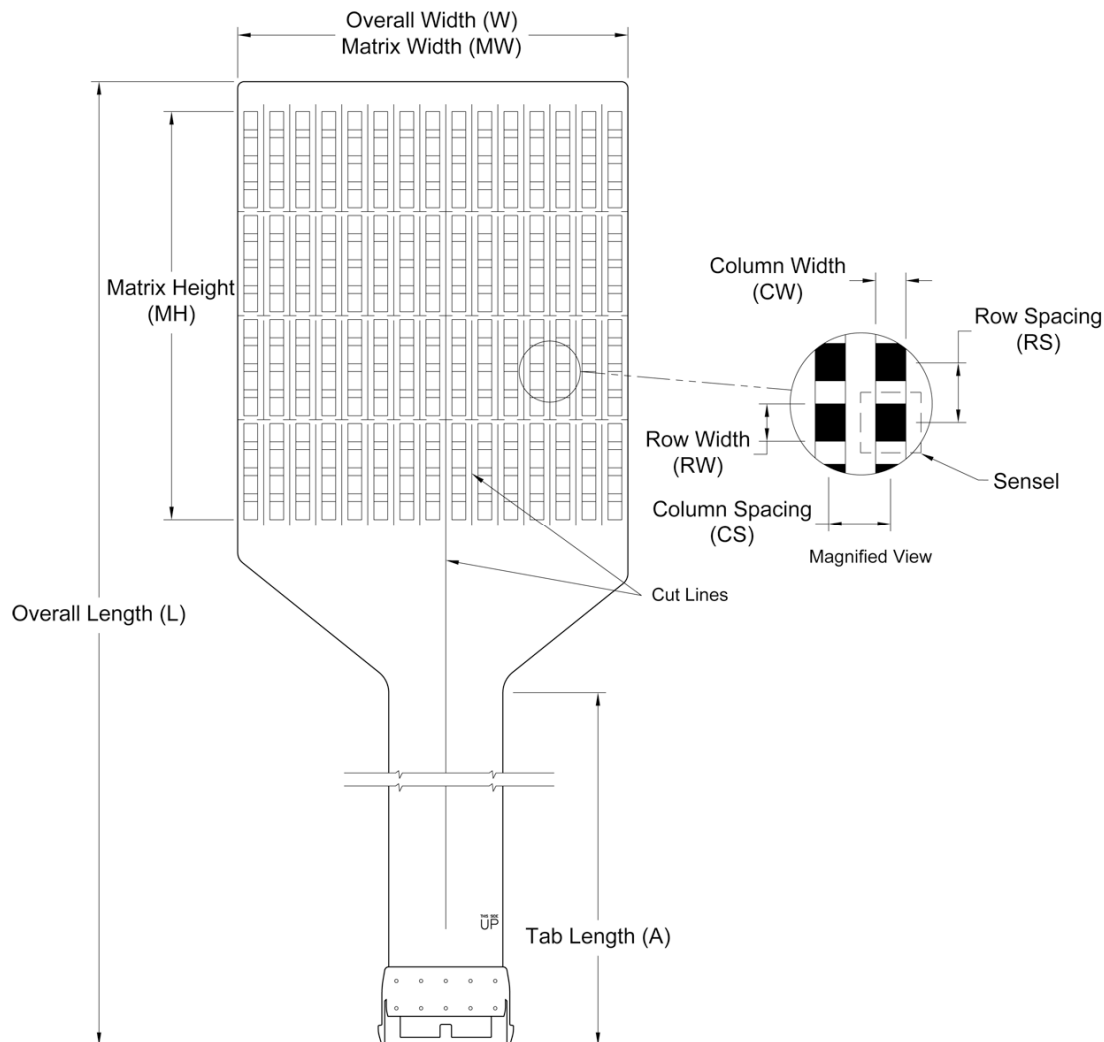
## SENSOR NAME: LARGE *F-SOCKET™* EDGE

**Application Example:** Prosthetic assessment

**Features:**

- Can be slit into 15 independent sensing strips of 16 sensing cells each
- External vents

**Requirement:** *VersaTek®* Cuff



| Model           | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |                |                |      |                |                |      |                        | Resolution<br><br>Sensel Density |
|-----------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|----------------|----------------|------|----------------|----------------|------|------------------------|----------------------------------|
|                 | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns        |                |      | Rows           |                |      | Total No.of<br>Sensels |                                  |
|                 |                        |                       |                    |                         |                        | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |                        |                                  |
|                 |                        |                       |                    |                         |                        |                |                |      |                |                |      |                        |                                  |
| US<br>9833E     | (in.)<br>21.45         | (in.)<br>7.50         | (in.)<br>9.68      | (in.)<br>7.50           | (in.)<br>8.00          | (in.)<br>0.265 | (in.)<br>0.500 | 15   | (in.)<br>0.350 | (in.)<br>0.500 | 16   | 240                    | (sensel per sq. in.)<br>4.0      |
| Metric<br>9833E | (mm)<br>544.8          | (mm)<br>190.5         | (mm)<br>245.9      | (mm)<br>190.5           | (mm)<br>203.2          | (mm)<br>6.7    | (mm)<br>12.7   | 15   | (mm)<br>8.9    | (mm)<br>12.7   | 16   | 240                    | (sensel per sq. cm)<br>0.6       |

# Bed

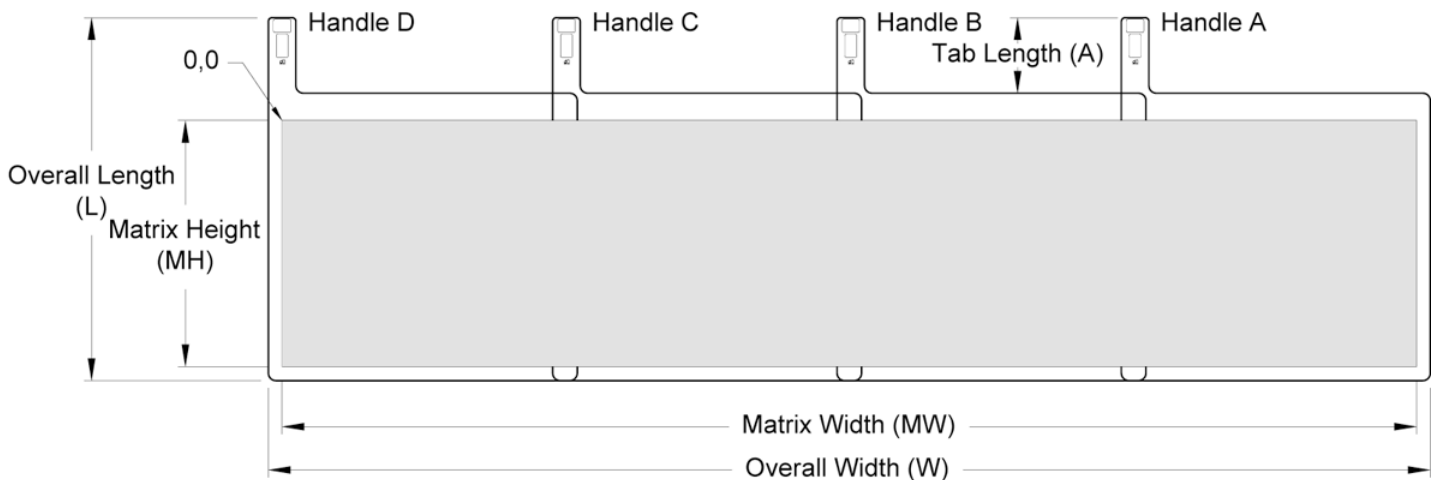
# SENSOR MODEL: 5315

## SENSOR MAP: 5315QL

**Application Example:** Mattress or support surface

**Requirements:**

- 4 Handles and (4) 5315 Sensors
- *BPMS™* software



| Model  | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |         |             |       |       |             |       |                        |                      |
|--------|---------------------|--------------------|-----------------|-------------------------|---------------------|---------|-------------|-------|-------|-------------|-------|------------------------|----------------------|
|        | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns |             |       | Rows  |             |       | Total No.of<br>Sensels | Resolution           |
|        |                     |                    |                 |                         |                     | CW      | Pitch<br>CS | Qty.  | RW    | Pitch<br>RS | Qty.  |                        | Sensel Density       |
|        | (in.)               | (in.)              | (in.)           | (in.)                   | (in.)               | (in.)   | (in.)       | (in.) | (in.) | (in.)       | (in.) | (in.)                  | (sensel per sq. in.) |
| US     | 24.50               | 78.46              | 5.15            | 76.80                   | 16.80               | 0.250   | 0.400       | 192   | 0.250 | 0.400       | 42    | 8064                   | 6.3                  |
| 5315QL | (mm)                | (mm)               | (mm)            | (mm)                    | (mm)                | (mm)    | (mm)        | (mm)  | (mm)  | (mm)        | (mm)  | (mm)                   | (sensel per sq. cm)  |
| Metric | 622.3               | 1992.9             | 130.9           | 1950.7                  | 426.7               | 6.4     | 10.2        | 192   | 6.4   | 10.2        | 42    | 8064                   | 1.0                  |
| 5315QL |                     |                    |                 |                         |                     |         |             |       |       |             |       |                        |                      |

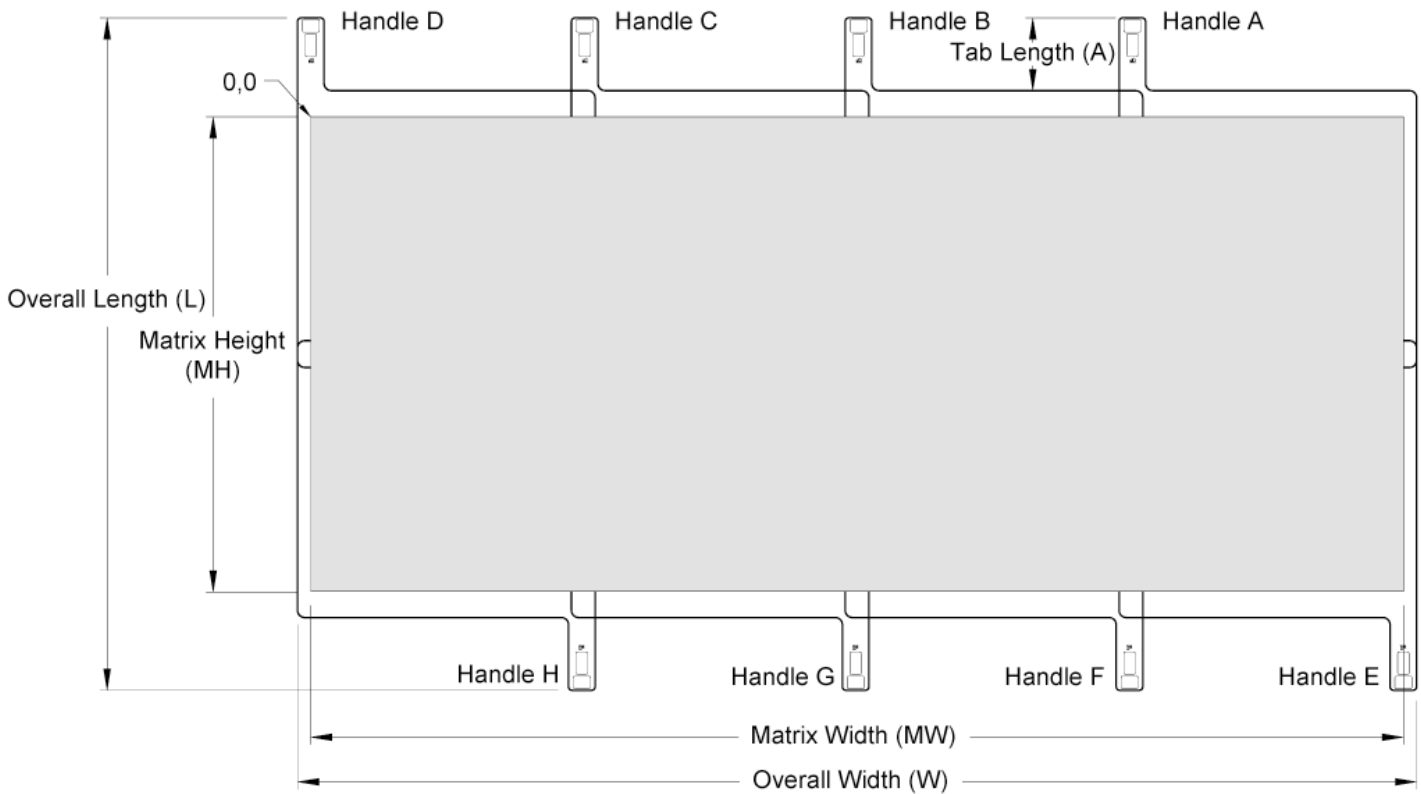
# SENSOR MODEL: 5315

## SENSOR MAP: 5315O

Application Example: Mattress or support surface

### Requirements:

- 8 Handles and (8) 5315 Sensors
- *BPMS™* software



| Model           | General Dimensions         |                           |                        | Sensing Area Dimensions   |                            |                |                |      |                |                |      | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|-----------------|----------------------------|---------------------------|------------------------|---------------------------|----------------------------|----------------|----------------|------|----------------|----------------|------|------------------------|----------------------------------|
|                 | Overall<br>Length<br><br>L | Overall<br>Width<br><br>W | Tab<br>Length<br><br>A | Matrix<br>Width<br><br>MW | Matrix<br>Height<br><br>MH | Columns        |                |      | Rows           |                |      |                        |                                  |
|                 |                            |                           |                        |                           |                            |                | Pitch          | Qty. |                | Pitch          | Qty. |                        |                                  |
|                 |                            |                           |                        |                           |                            |                |                |      |                |                |      |                        |                                  |
|                 |                            |                           |                        |                           |                            |                |                |      |                |                |      |                        |                                  |
| US<br>5315O     | (in.)<br>47.02             | (in.)<br>78.46            | (in.)<br>5.15          | (in.)<br>76.80            | (in.)<br>33.60             | (in.)<br>0.250 | (in.)<br>0.400 | 192  | (in.)<br>0.250 | (in.)<br>0.400 | 84   | 16128                  | (sensel per sq. in.)<br>6.3      |
| Metric<br>5315O | (mm)<br>1194.3             | (mm)<br>1992.9            | (mm)<br>130.9          | (mm)<br>1950.7            | (mm)<br>853.4              | (mm)<br>6.4    | (mm)<br>10.2   | 192  | (mm)<br>6.4    | (mm)<br>10.2   | 84   | 16128                  | (sensel per sq. cm)<br>1.0       |

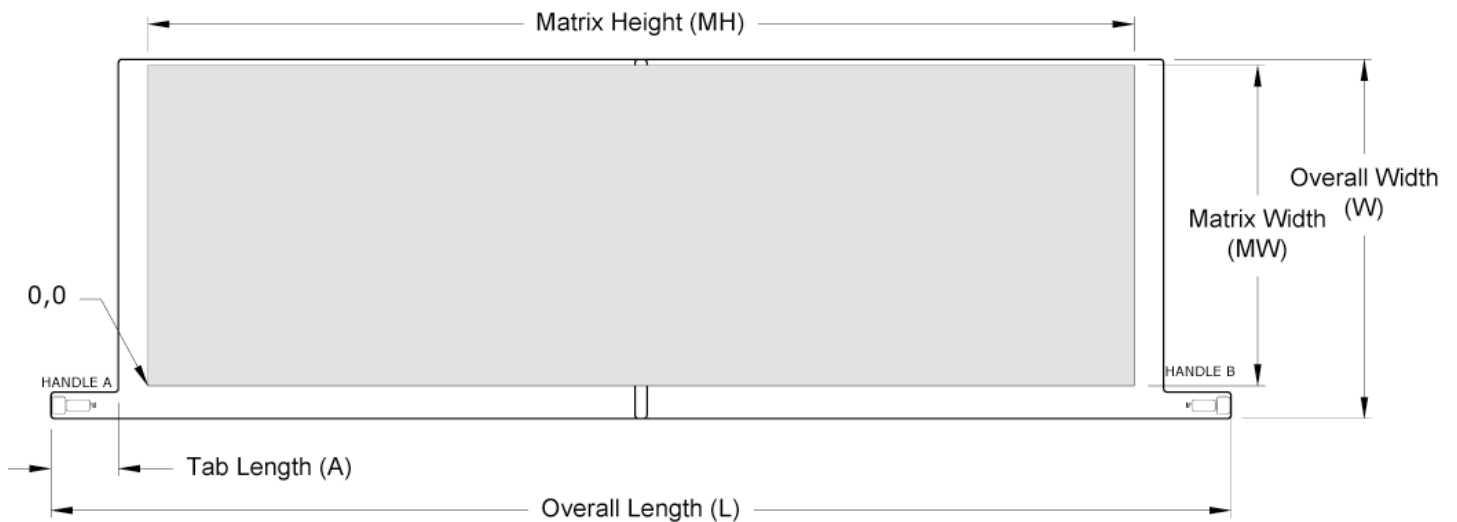
# SENSOR MODEL: 5400N

## SENSOR MAP: 5400ND

Application Example: Mattress or support surface

### Requirements:

- 2 Handles and (2) 5400N Sensors
- *BPMS™* software



| Model  | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |         |             |      |       |             |      | Total No. of<br>Sensels | Resolution     |  |
|--------|------------------------|-----------------------|--------------------|-------------------------|------------------------|---------|-------------|------|-------|-------------|------|-------------------------|----------------|--|
|        | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns |             |      | Rows  |             |      |                         | Sensel Density |  |
|        |                        |                       |                    |                         |                        | CW      | Pitch<br>CS | Qty. | RW    | Pitch<br>RS | Qty. |                         |                |  |
|        |                        |                       |                    |                         |                        |         |             |      |       |             |      |                         |                |  |
| US     | (in.)                  | (in.)                 | (in.)              | (in.)                   | (in.)                  | (in.)   | (in.)       |      | (in.) | (in.)       |      | (sensel per sq. in.)    |                |  |
| 5400ND | 82.62                  | 25.20                 | 4.72               | 22.76                   | 69.61                  | 0.394   | 0.669       | 34   | 0.394 | 0.669       | 104  | 3536                    | 2.2            |  |
| Metric | (mm)                   | (mm)                  | (mm)               | (mm)                    | (mm)                   | (mm)    | (mm)        |      | (mm)  | (mm)        |      | (sensel per sq. cm)     |                |  |
| 5400ND | 2098.5                 | 640.1                 | 119.9              | 578.0                   | 1768.0                 | 10.0    | 17.0        | 34   | 10.0  | 17.0        | 104  | 3536                    | 0.3            |  |



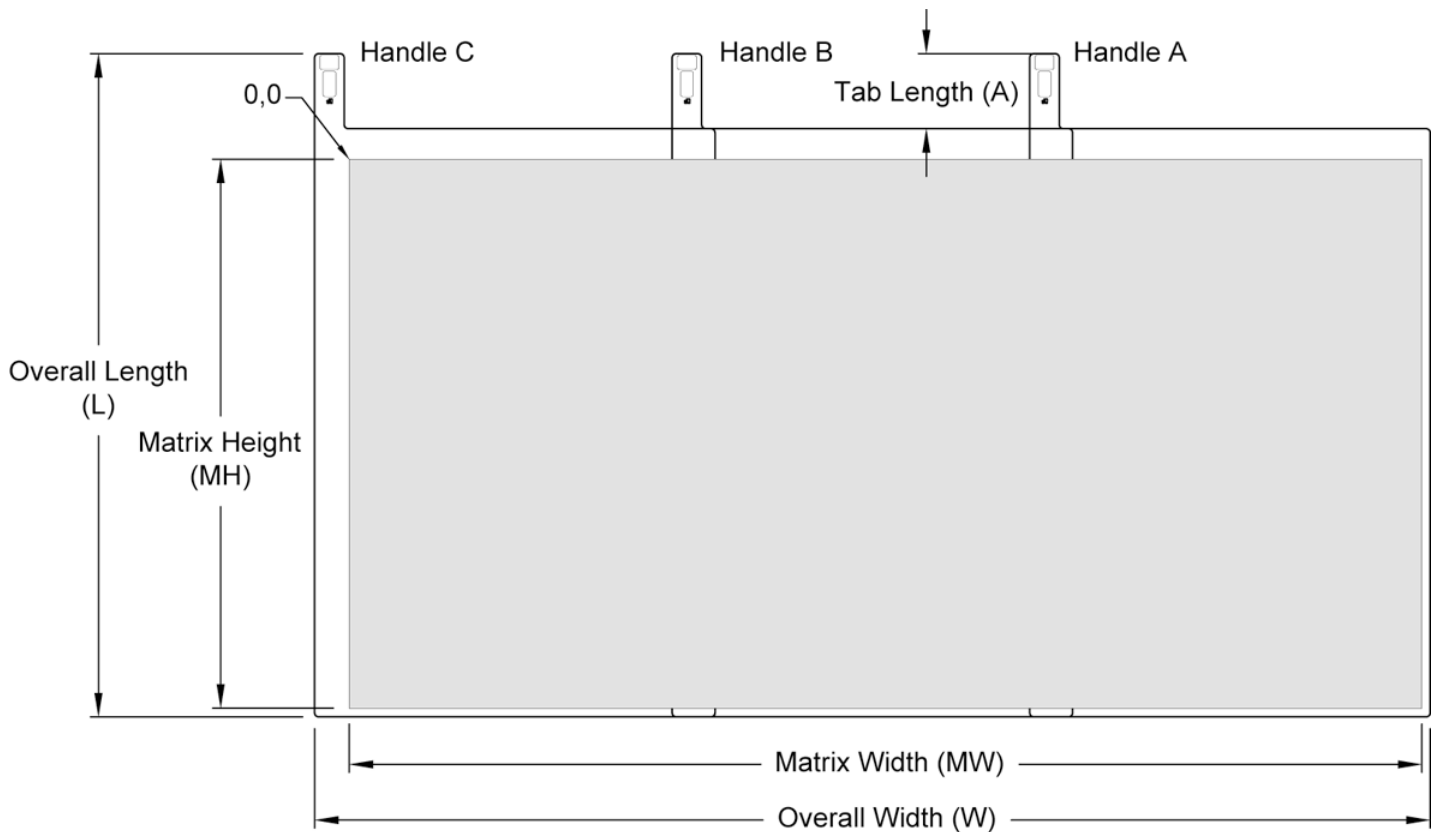
# SENSOR MODEL: 5400N

## SENSOR MAP: 5400NTL

Application Example: Mattress or support surface

### Requirements:

- 3 Handles and (3) 5400N Sensors
- *BPMS™* software



| Model<br>US<br>5400NTL<br>Metric<br>5400NTL | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |         |             |       |       |             |       |                        |                      |
|---------------------------------------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|---------|-------------|-------|-------|-------------|-------|------------------------|----------------------|
|                                             | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns |             |       | Rows  |             |       | Total No.of<br>Sensels | Resolution           |
|                                             |                        |                       |                    |                         |                        | CW      | Pitch<br>CS | Qty.  | RW    | Pitch<br>RS | Qty.  |                        | Sensel Density       |
|                                             | (in.)                  | (in.)                 | (in.)              | (in.)                   | (in.)                  | (in.)   | (in.)       | (in.) |       | (in.)       | (in.) |                        | (sensel per sq. in.) |
|                                             | 41.73                  | 70.19                 | 4.72               | 68.27                   | 34.80                  | 0.394   | 0.669       | 102   | 0.394 | 0.669       | 52    | 5304                   | 2.2                  |
| (mm)                                        | (mm)                   | (mm)                  | (mm)               | (mm)                    | (mm)                   | (mm)    | (mm)        |       | (mm)  | (mm)        |       | (sensel per sq. cm)    |                      |
|                                             | 1059.9                 | 1782.8                | 119.9              | 1734.0                  | 884.0                  | 10.0    | 17.0        | 102   | 10.0  | 17.0        | 52    | 5304                   | 0.3                  |

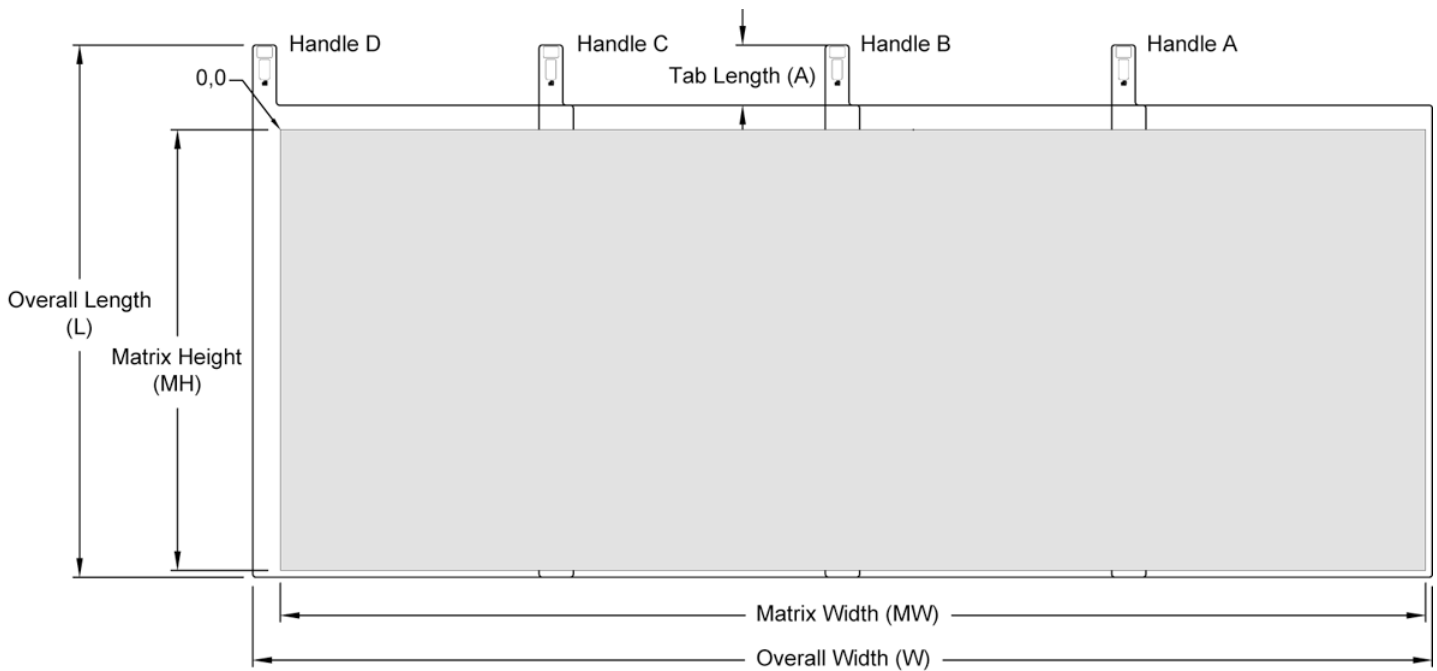
# SENSOR MODEL: 5400N

## SENSOR MAP: 5400NQL

Application Example: Mattress or support surface

### Requirements:

- 4 Handles and (4) 5400N Sensors
- *BPMS™* software



| Model<br>US<br>5400NQL<br>Metric<br>5400NQL | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |         |       |     |       |       |    |                        |                |
|---------------------------------------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|---------|-------|-----|-------|-------|----|------------------------|----------------|
|                                             | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns |       |     | Rows  |       |    | Total No.of<br>Sensels | Resolution     |
|                                             |                        |                       |                    |                         |                        |         | Pitch |     |       | Pitch |    |                        | Sensel Density |
|                                             | (in.)                  | (in.)                 | (in.)              | (in.)                   | (in.)                  | (in.)   | (in.) |     | (in.) | (in.) |    | (sensel per sq. in.)   |                |
|                                             | (mm)                   | (mm)                  | (mm)               | (mm)                    | (mm)                   | (mm)    | (mm)  |     | (mm)  | (mm)  |    | (sensel per sq. cm)    |                |
|                                             | 41.73                  | 92.70                 | 4.72               | 91.02                   | 34.80                  | 0.394   | 0.669 | 136 | 0.394 | 0.669 | 52 | 7072                   | 2.2            |
|                                             | 1059.9                 | 2354.6                | 119.9              | 2312.0                  | 884.0                  | 10.0    | 17.0  | 136 | 10.0  | 17.0  | 52 | 7072                   | 0.3            |

# Seat

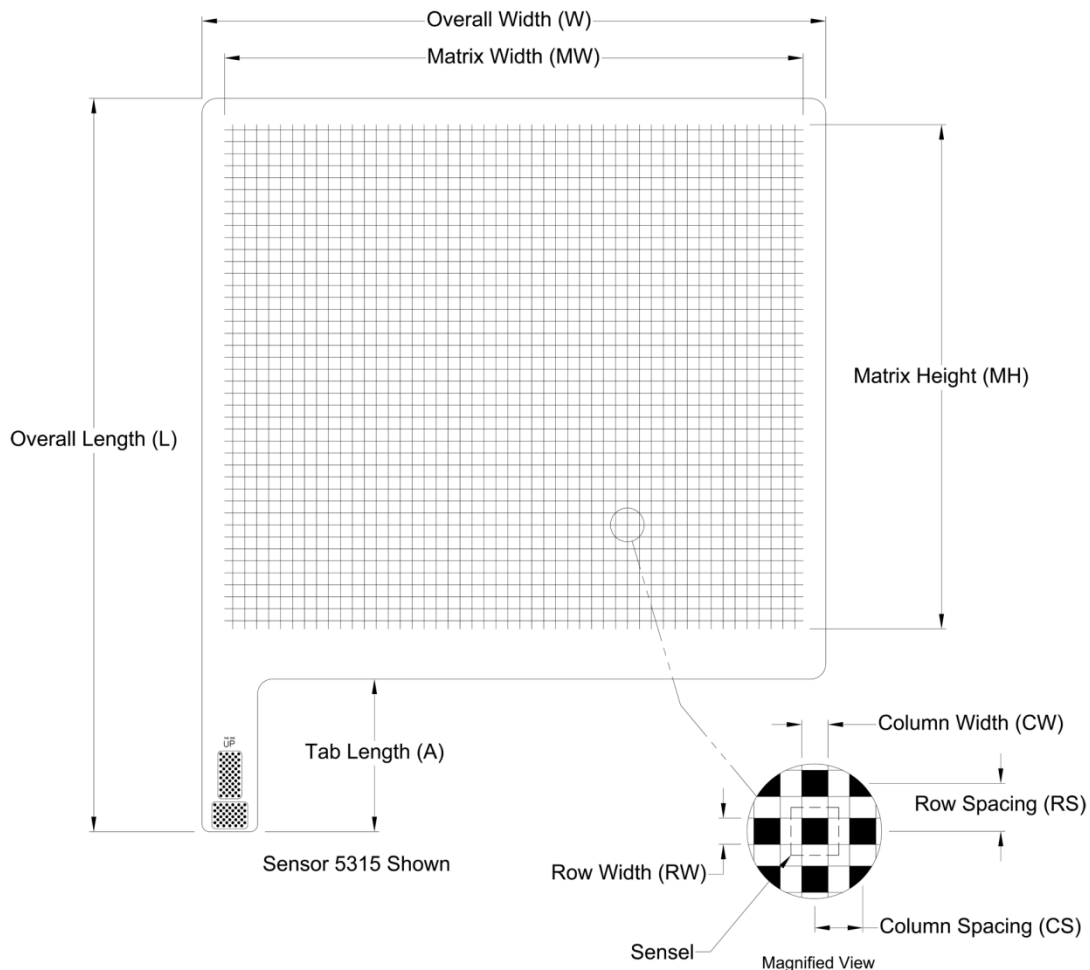
# SENSOR MODEL: 5315/5350

## SENSOR NAME: SEAT MAT

**Application Example:** Pressure mapping and comfort studies of seats and cushions

### Features:

- Sensor is covered with a flexible backing material to increase its durability
- Total thickness of 0.33mm (0.012") includes flexible backing on both sides of sensor; thinner construction may be available
- External vents



| Model  | General Dimensions |                 |              |                 | Sensing Area Dimensions |       |          |      |       |          |      |                     | Resolution           |  |
|--------|--------------------|-----------------|--------------|-----------------|-------------------------|-------|----------|------|-------|----------|------|---------------------|----------------------|--|
|        | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW | Matrix Height MH        | CW    | Pitch CS | Qty. | RW    | Pitch RS | Qty. | Total No.of Sensels | Sensel Density       |  |
| US     | (in.)              | (in.)           | (in.)        | (in.)           | (in.)                   | (in.) | (in.)    |      | (in.) | (in.)    |      |                     | (sensel per sq. in.) |  |
| 5315   | 24.50              | 20.86           | 5.15         | 19.20           | 16.80                   | 0.250 | 0.400    | 48   | 0.250 | 0.400    | 42   | 2016                | 6.3                  |  |
| 5350   | 24.00              | 18.06           | 6.61         | 16.40           | 15.20                   | 0.250 | 0.400    | 41   | 0.250 | 0.400    | 38   | 1558                | 6.3                  |  |
| Metric | (mm)               | (mm)            | (mm)         | (mm)            | (mm)                    | (mm)  | (mm)     |      | (mm)  | (mm)     |      |                     | (sensel per sq. cm)  |  |
| 5315   | 622.3              | 529.8           | 130.9        | 487.7           | 426.7                   | 6.4   | 10.2     | 48   | 6.4   | 10.2     | 42   | 2016                | 1.0                  |  |
| 5350   | 609.6              | 458.7           | 167.9        | 416.6           | 386.1                   | 6.4   | 10.2     | 41   | 6.4   | 10.2     | 38   | 1558                | 1.0                  |  |

# SENSOR MODEL: 5330

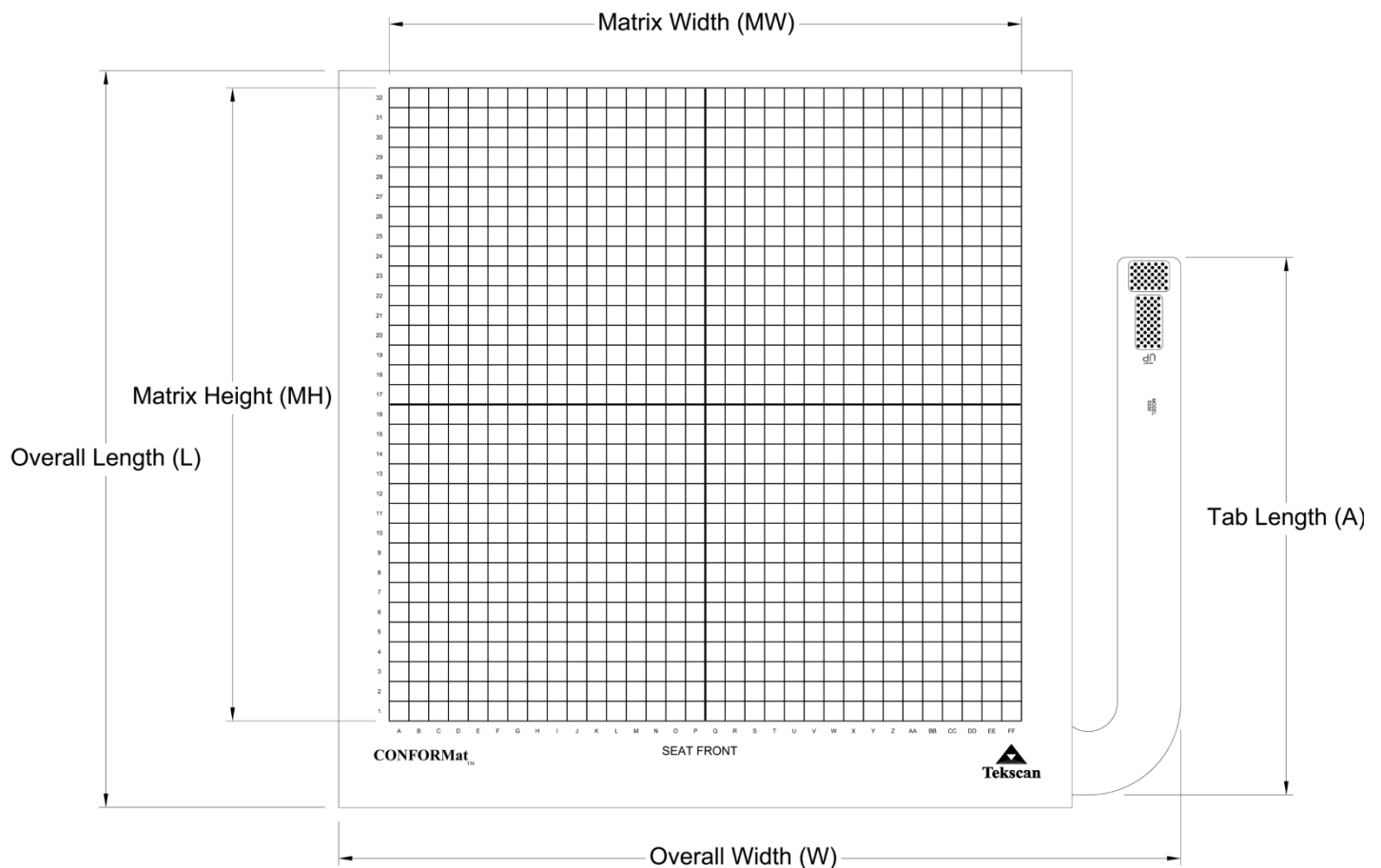
## SENSOR NAME: *CONFORMat*®

**Application Example:** Pressure mapping and comfort studies of seats and cushions

### Features:

- Fully conforming sensor, sensor elements move freely in the X, Y, and Z axis
- Minimal interference with the client/support surface interface

**Requirement:** *CONFORMat* or *BPMS*™ software



| Model       | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |      |                |                |      |                        | Resolution                  |
|-------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|------|----------------|----------------|------|------------------------|-----------------------------|
|             | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |      | Rows           |                |      | Total No.of<br>Sensels |                             |
|             |                     |                    |                 |                         |                     | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |                        |                             |
|             |                     |                    |                 |                         |                     |                |                |      |                |                |      |                        |                             |
| US 5330     | (in.)<br>21.23      | (in.)<br>24.35     | (in.)<br>15.76  | (in.)<br>18.56          | (in.)<br>18.56      | (in.)<br>0.000 | (in.)<br>0.580 | 32   | (in.)<br>0.000 | (in.)<br>0.580 | 32   | 1024                   | (sensel per sq. in.)<br>3.0 |
| Metric 5330 | (mm)<br>539.2       | (mm)<br>618.4      | (mm)<br>400.3   | (mm)<br>471.4           | (mm)<br>471.4       | (mm)<br>0.0    | (mm)<br>14.7   | 32   | (mm)<br>0.0    | (mm)<br>14.7   | 32   | 1024                   | (sensel per sq. cm)<br>0.5  |

# SENSOR MODEL: 5330E

## SENSOR NAME: *CONFORMat*<sup>®</sup> EDGE

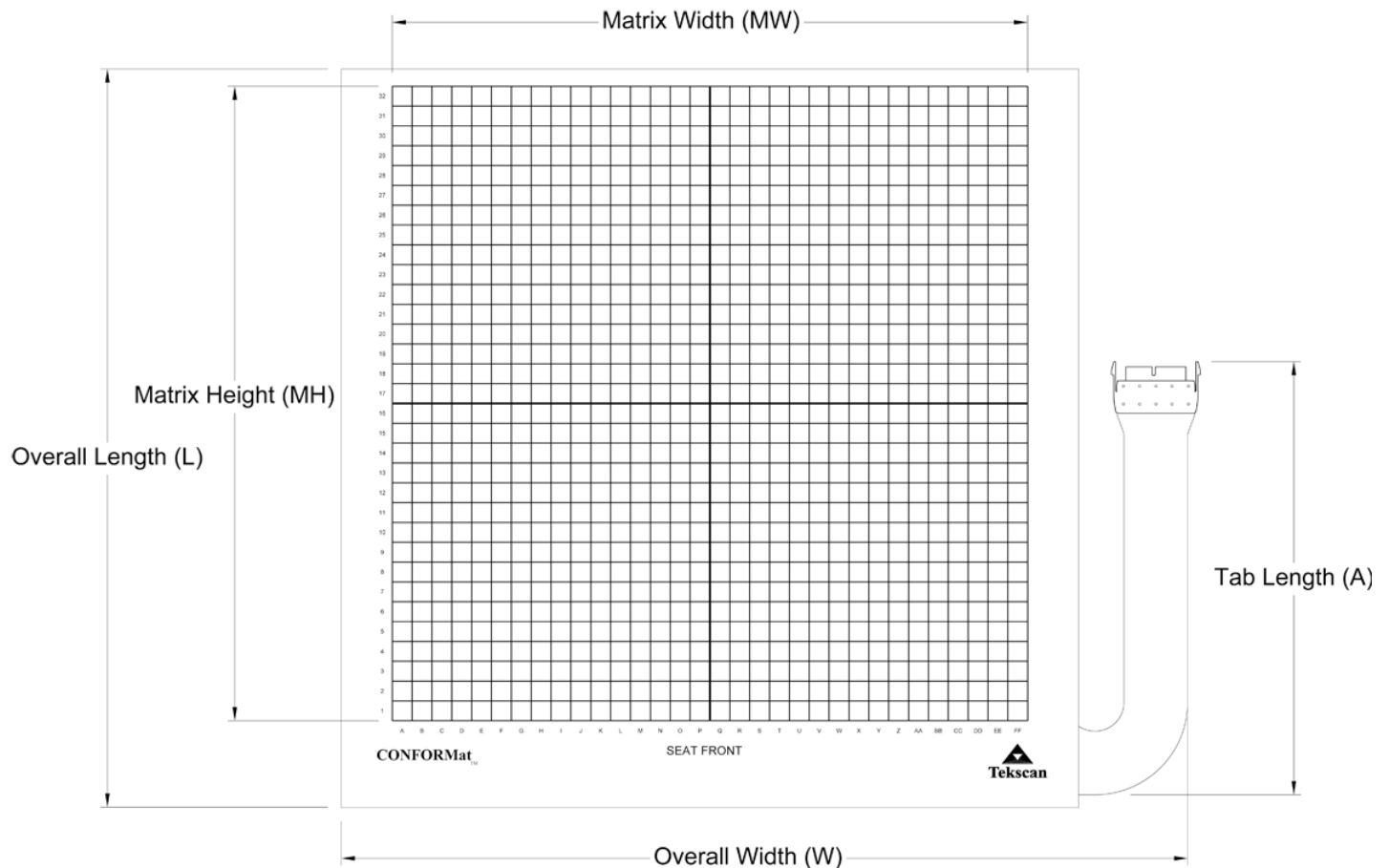
**Application Example:** Pressure mapping and comfort studies of seats and cushions

### Features:

- Fully conforming sensor, sensor elements move freely in the X, Y, and Z axis
- Minimal interference with the client/support surface interface

### Requirements:

- *VersaTek*<sup>®</sup> Cuff
- *CONFORMat* or *BPMS*<sup>™</sup> software



| Model        | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |                |                |      |                |                |      |                        |                             |
|--------------|---------------------|--------------------|-----------------|-------------------------|---------------------|----------------|----------------|------|----------------|----------------|------|------------------------|-----------------------------|
|              | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns        |                |      | Rows           |                |      | Total No.of<br>Sensels | Resolution                  |
|              |                     |                    |                 |                         |                     | CW             | Pitch<br>CS    | Qty. | RW             | Pitch<br>RS    | Qty. |                        | Sensel Density              |
|              |                     |                    |                 |                         |                     |                |                |      |                |                |      |                        |                             |
| US 5330E     | (in.)<br>21.23      | (in.)<br>24.35     | (in.)<br>12.67  | (in.)<br>18.56          | (in.)<br>18.56      | (in.)<br>0.000 | (in.)<br>0.580 | 32   | (in.)<br>0.000 | (in.)<br>0.580 | 32   | 1024                   | (sensel per sq. in.)<br>3.0 |
| Metric 5330E | (mm)<br>539.2       | (mm)<br>618.4      | (mm)<br>321.8   | (mm)<br>471.4           | (mm)<br>471.4       | (mm)<br>0.0    | (mm)<br>14.7   | 32   | (mm)<br>0.0    | (mm)<br>14.7   | 32   | 1024                   | (sensel per sq. cm)<br>0.5  |

# SENSOR MODEL: 5330 (E)

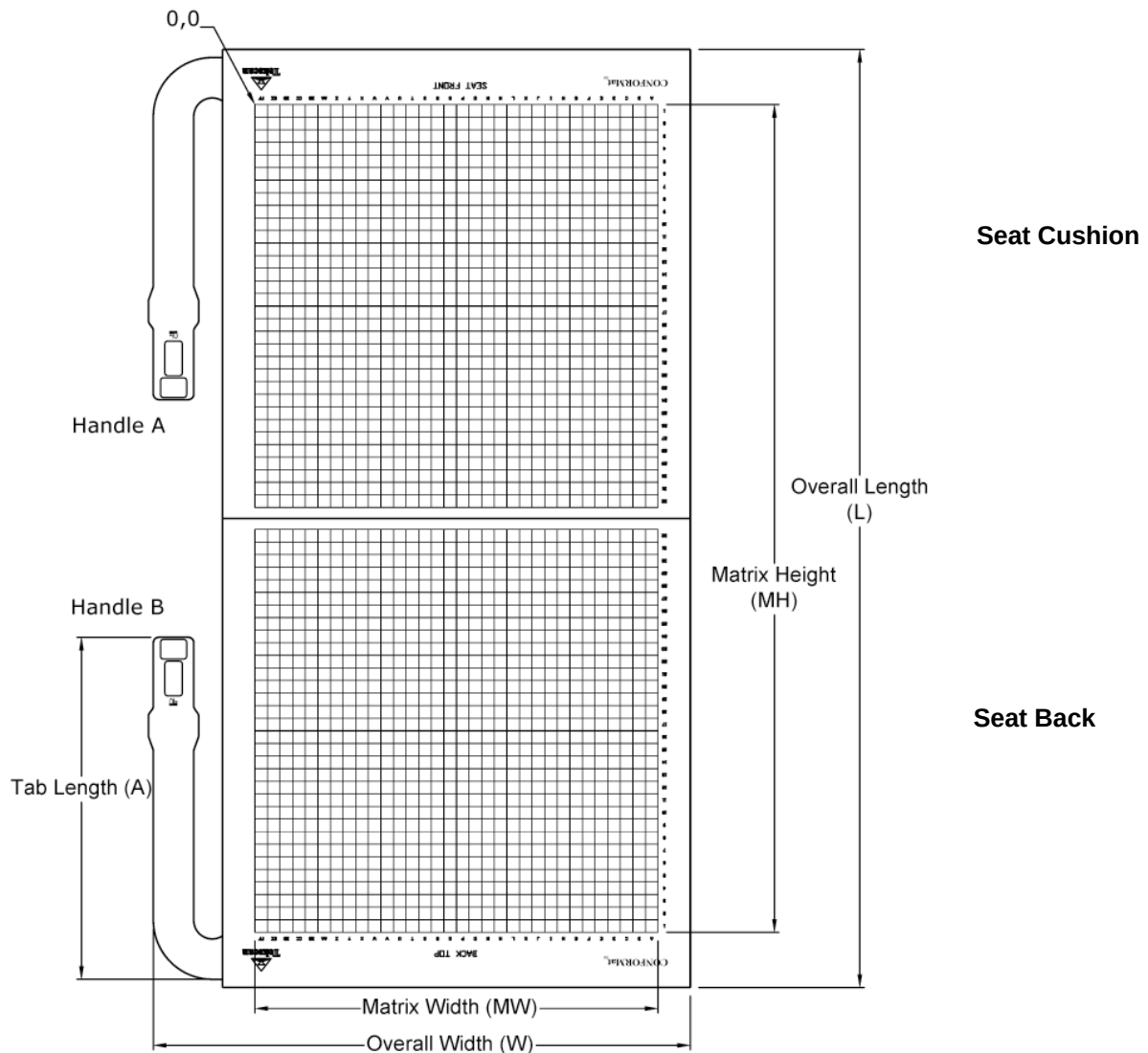
## SENSOR MAP: 5330D

### Application Examples:

- Seating and positioning
- Mattress or support surface

### Requirements:

- 2 Handles for use with (2) 5330 Sensors or 2 *VersaTek*® Cuffs for use with (2) 5330E Sensors
- *CONFORMat* or *BPMS*™ software



### General Dimensions

### Sensing Area Dimensions

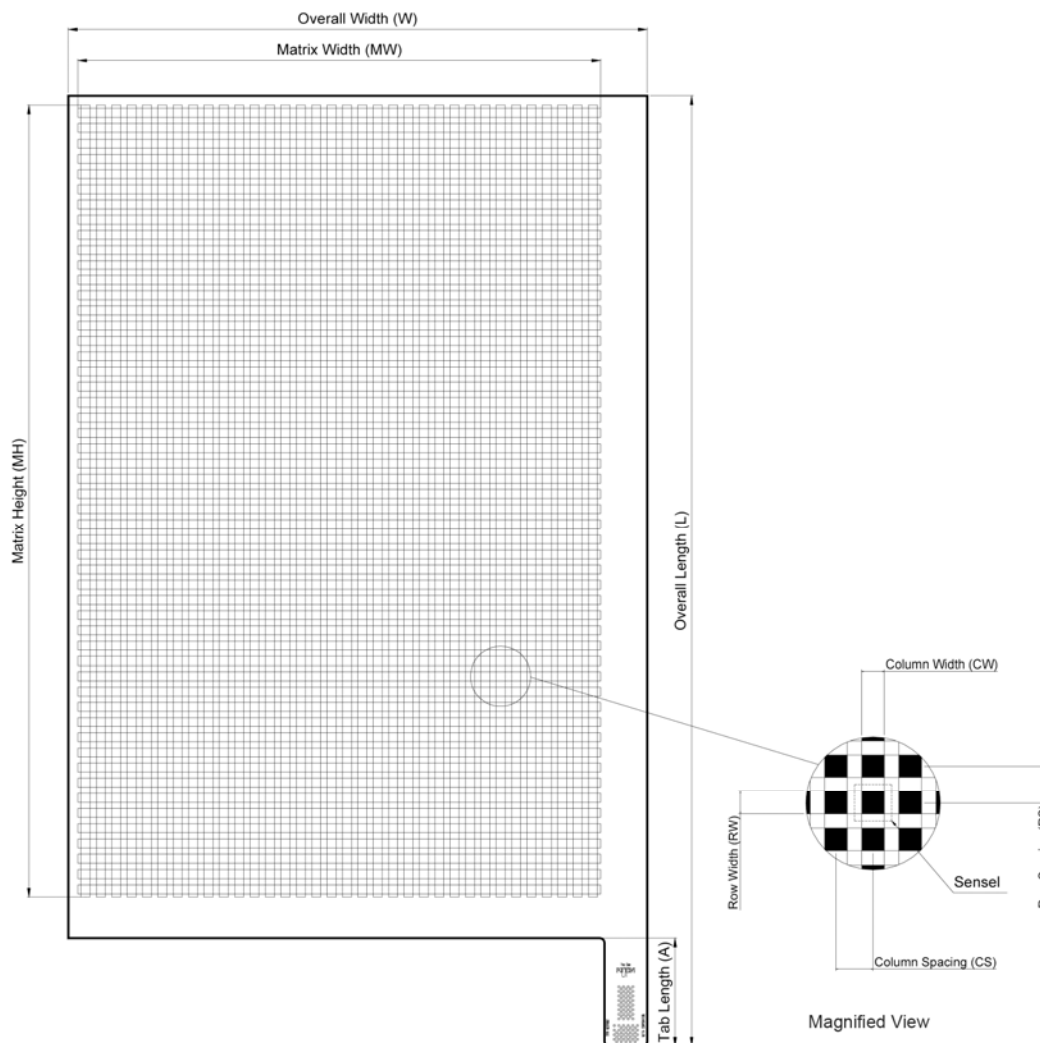
| Model    | Overall Length | Overall Width | Tab Length | Matrix Width | Matrix Height | Columns |          |      | Rows  |          |      | Total No.of Sensels | Resolution           |
|----------|----------------|---------------|------------|--------------|---------------|---------|----------|------|-------|----------|------|---------------------|----------------------|
|          | L              | W             | A          | MW           | MH            | CW      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     | Sensel Density       |
|          | (in.)          | (in.)         | (in.)      | (in.)        | (in.)         | (in.)   | (in.)    |      | (in.) | (in.)    |      |                     | (sensel per sq. in.) |
| US 5330D | 43.21          | 24.35         | 15.76      | 18.56        | 38.13         | N/A     | 0.580    | 32   | N/A   | 0.580    | 64   | 2048                | 3.0                  |
| Metric   | (mm)           | (mm)          | (mm)       | (mm)         | (mm)          | (mm)    | (mm)     |      | (mm)  | (mm)     |      |                     | (sensel per sq. cm)  |
| 5330D    | 1097.5         | 618.5         | 400.3      | 471.4        | 968.5         | N/A     | 14.7     | 32   | N/A   | 14.7     | 64   | 2048                | 0.5                  |

# SENSOR MODEL: 5400N

## SENSOR NAME: *HUGE-MAT*™

**Application Examples:** Ergonomic and comfort studies of seats and cushions

**Features:** Sensor is covered with a flexible backing material to increase its durability; total thickness of 0.33mm (0.012") includes flexible backing on both sides of sensor; thinner construction may be available



| Model        | General Dimensions |                 |              |                 |                  | Sensing Area Dimensions |          |      |       |          |      |                     |                             |
|--------------|--------------------|-----------------|--------------|-----------------|------------------|-------------------------|----------|------|-------|----------|------|---------------------|-----------------------------|
|              | Overall Length L   | Overall Width W | Tab Length A | Matrix Width MW | Matrix Height MH | Columns                 |          |      | Rows  |          |      | Total No.of Sensels | Resolution                  |
|              | (in.)              | (in.)           | (in.)        | (in.)           | (in.)            | CW                      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     | Sensel Density              |
| US 5400N     | 41.73              | 25.20           | 4.72         | 22.76           | 34.80            | 0.394                   | 0.669    | 34   | 0.394 | 0.669    | 52   | 1768                | (sensel per sq. in.)<br>2.2 |
| Metric 5400N | 1060.0             | 640.0           | 120.0        | 578.0           | 884.0            | (mm)                    | (mm)     | 34   | (mm)  | (mm)     | 52   | 1768                | (sensel per sq. cm)<br>0.3  |



# Walkway

# SENSOR MODEL: 3150 (E)

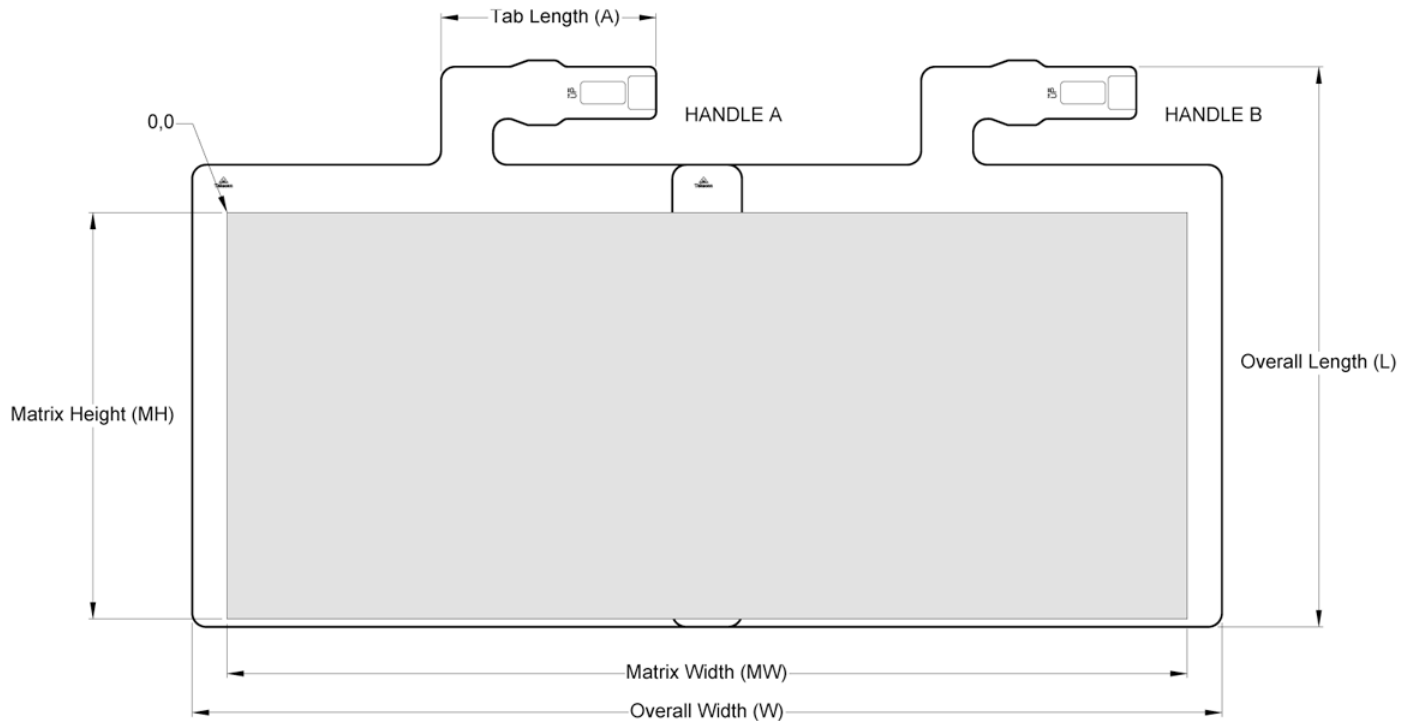
## SENSOR MAP: 3150D

### Application Examples:

- Walkway
- Golf Platform

### Requirements:

- 2 Handles for use with (2) 3150 Sensors or 2 *VersaTek*® Cuffs for use with (2) 3150E Sensors
- Research Foot software



| Model           | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |             |             |       |             |             |       |                        |                            |
|-----------------|---------------------|--------------------|-----------------|-------------------------|---------------------|-------------|-------------|-------|-------------|-------------|-------|------------------------|----------------------------|
|                 | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns     |             |       | Rows        |             |       | Total No.of<br>Sensels | Resolution                 |
|                 |                     |                    |                 |                         |                     | CW          | Pitch<br>CS | Qty.  | RW          | Pitch<br>RS | Qty.  |                        | Sensel Density             |
|                 | (in.)               | (in.)              | (in.)           | (in.)                   | (in.)               | (in.)       | (in.)       | (in.) | (in.)       | (in.)       | (in.) | (in.)                  | (sensel per sq. in.)       |
| US<br>3150D     | 20.00               | 36.81              | 7.68            | 34.32                   | 14.52               | 0.230       | 0.330       | 104   | 0.230       | 0.330       | 44    | 4576                   | 9.2                        |
| Metric<br>3150D | (mm)<br>508.0       | (mm)<br>935.0      | (mm)<br>195.1   | (mm)<br>871.7           | (mm)<br>368.8       | (mm)<br>5.8 | (mm)<br>8.4 | 104   | (mm)<br>5.8 | (mm)<br>8.4 | 44    | 4576                   | (sensel per sq. cm)<br>1.4 |

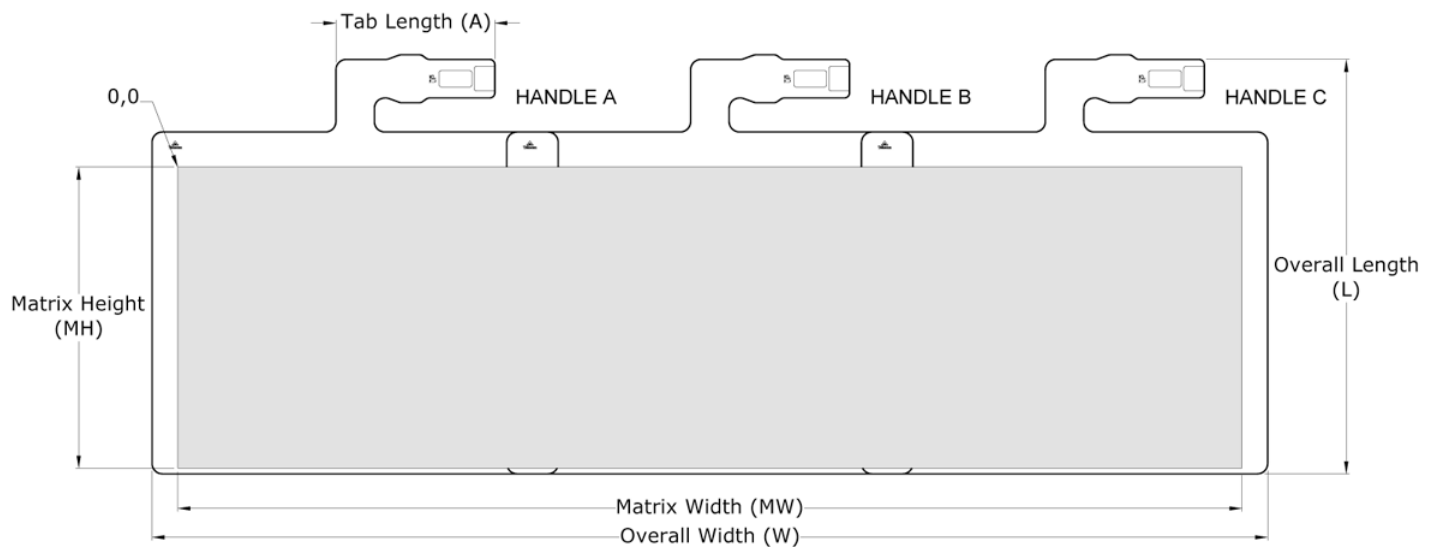
# SENSOR MODEL: 3150 (E)

## SENSOR MAP: 3150TL

Application Example: Walkway

### Requirements:

- 3 Handles for use with (3) 3150 Sensors or 3 *VersaTek*® Cuffs for use with (3) 3150E Sensors
- Research Foot software



| Model<br>US<br>3150TL<br>Metric<br>3150TL | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |         |             |       |       |             |       |                        |                                  |
|-------------------------------------------|------------------------|-----------------------|--------------------|-------------------------|------------------------|---------|-------------|-------|-------|-------------|-------|------------------------|----------------------------------|
|                                           | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns |             |       | Rows  |             |       | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|                                           |                        |                       |                    |                         |                        | CW      | Pitch<br>CS | Qty.  | RW    | Pitch<br>RS | Qty.  |                        |                                  |
|                                           | (in.)                  | (in.)                 | (in.)              | (in.)                   | (in.)                  | (in.)   | (in.)       | (in.) | (in.) | (in.)       | (in.) | (in.)                  | (in.)                            |
|                                           | 20.00                  | 53.97                 | 7.68               | 51.48                   | 14.52                  | 0.230   | 0.330       | 156   | 0.230 | 0.330       | 44    | 6864                   | (sensel per sq. in.)<br>9.2      |
|                                           | (mm)                   | (mm)                  | (mm)               | (mm)                    | (mm)                   | (mm)    | (mm)        |       | (mm)  | (mm)        |       |                        | (sensel per sq. cm)              |
|                                           | 508.0                  | 1370.8                | 195.3              | 1307.6                  | 368.8                  | 5.8     | 8.4         | 156   | 5.8   | 8.4         | 44    | 6864                   | 1.4                              |

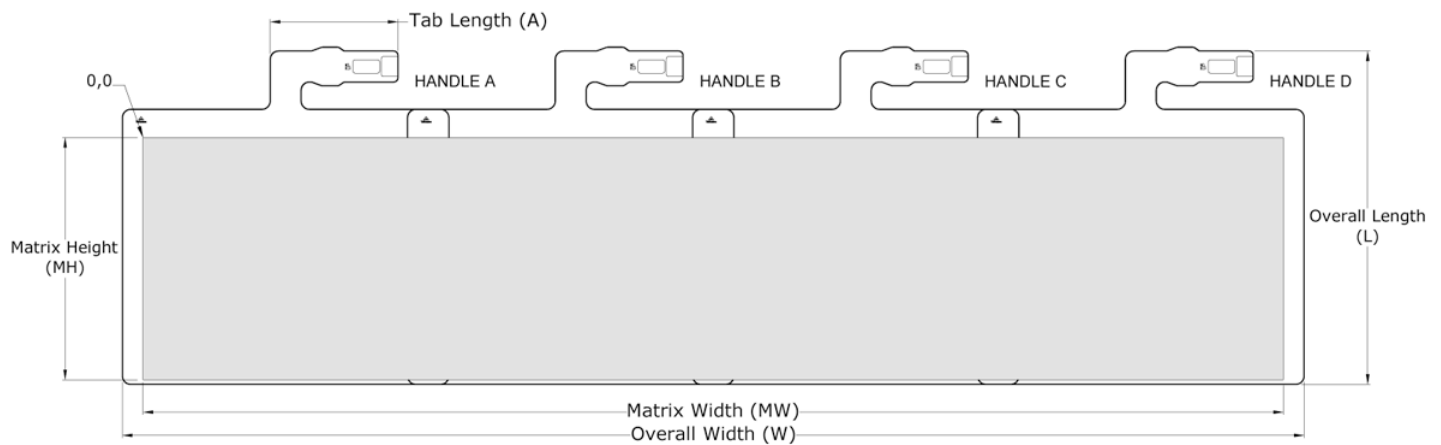
# SENSOR MODEL: 3150 (E)

## SENSOR MAP: 3150QL

Application Example: Walkway

### Requirements:

- 4 Handles for use with (4) 3150 Sensors or 4 *VersaTek*® Cuffs for use with (4) 3150E Sensors
- Research Foot software



| Model  | General Dimensions         |                           |                        | Sensing Area Dimensions   |                            |         |             |      |       |             |      | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|--------|----------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------|-------------|------|-------|-------------|------|------------------------|----------------------------------|
|        | Overall<br>Length<br><br>L | Overall<br>Width<br><br>W | Tab<br>Length<br><br>A | Matrix<br>Width<br><br>MW | Matrix<br>Height<br><br>MH | Columns |             |      | Rows  |             |      |                        |                                  |
|        |                            |                           |                        |                           |                            | CW      | Pitch<br>CS | Qty. | RW    | Pitch<br>RS | Qty. |                        |                                  |
|        |                            |                           |                        |                           |                            |         |             |      |       |             |      |                        |                                  |
|        |                            |                           |                        |                           |                            |         |             |      |       |             |      |                        |                                  |
| US     | (in.)                      | (in.)                     | (in.)                  | (in.)                     | (in.)                      | (in.)   | (in.)       |      | (in.) | (in.)       |      | (sensel per sq. in.)   |                                  |
| 3150QL | 20.00                      | 71.13                     | 7.68                   | 68.64                     | 14.52                      | 0.230   | 0.330       | 208  | 0.230 | 0.330       | 44   | 9152                   | 9.2                              |
| Metric | (mm)                       | (mm)                      | (mm)                   | (mm)                      | (mm)                       | (mm)    | (mm)        |      | (mm)  | (mm)        |      | (sensel per sq. cm)    |                                  |
| 3150QL | 508.0                      | 1806.7                    | 195.1                  | 1743.5                    | 368.8                      | 5.8     | 8.4         | 208  | 5.8   | 8.4         | 44   | 9152                   | 1.4                              |

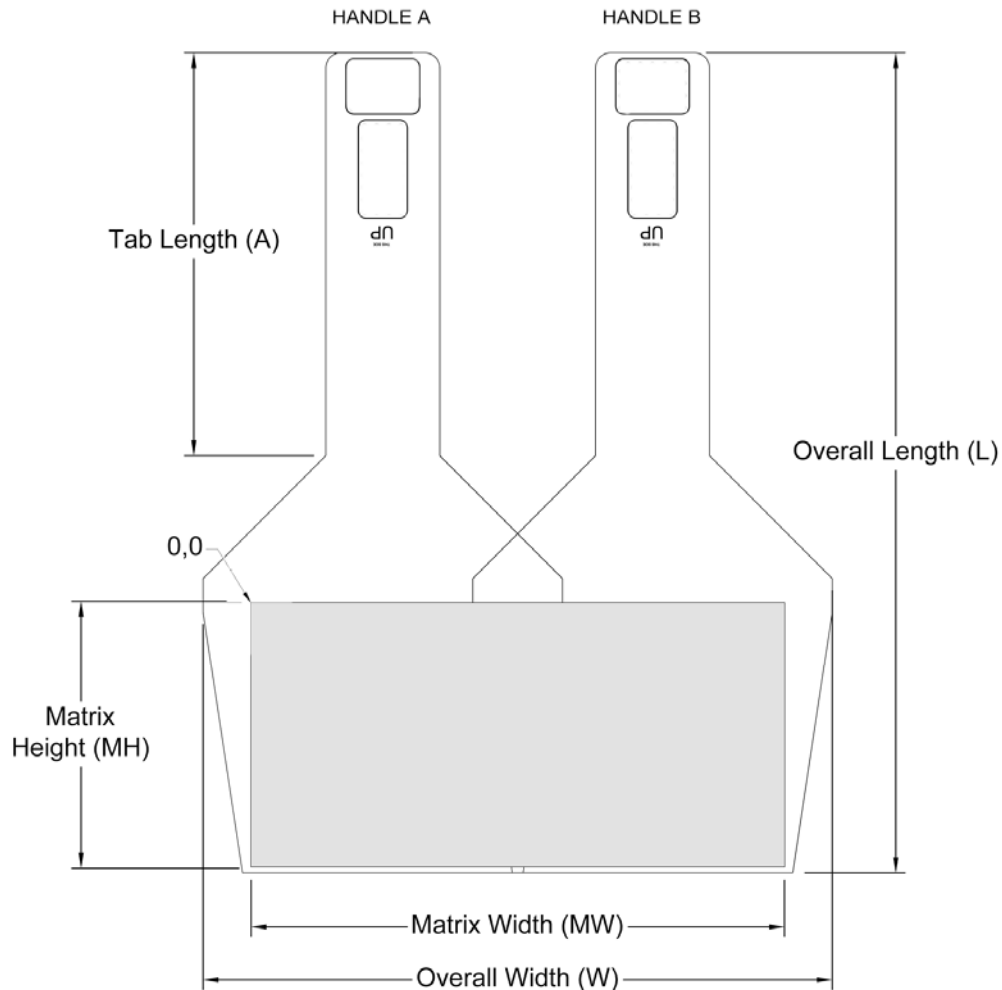
# SENSOR MODEL: 5101

## SENSOR MAP: 5101D

### Application Examples:

- Small very high resolution walkway
- Small animal gait analysis

**Requirements:** 2 Handles for use with (2) 5101 Sensors



### General Dimensions

### Sensing Area Dimensions

| Model  | Overall Dimensions     |                       |                    | Sensing Area Dimensions |                        |         |             |      |       |             |      | Total No.of<br>Sensels | Resolution     |  |
|--------|------------------------|-----------------------|--------------------|-------------------------|------------------------|---------|-------------|------|-------|-------------|------|------------------------|----------------|--|
|        | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns |             |      | Rows  |             |      |                        | Sensel Density |  |
|        |                        |                       |                    |                         |                        | CW      | Pitch<br>CS | Qty. | RW    | Pitch<br>RS | Qty. |                        |                |  |
|        |                        |                       |                    |                         |                        |         |             |      |       |             |      |                        |                |  |
| US     | (in.)                  | (in.)                 | (in.)              | (in.)                   | (in.)                  | (in.)   | (in.)       |      | (in.) | (in.)       |      | (sensel per sq. in.)   |                |  |
| 5101D  | 13.39                  | 10.20                 | 6.59               | 8.80                    | 4.40                   | 0.050   | 0.100       | 88   | 0.050 | 0.100       | 44   | 100.0                  |                |  |
| Metric | (mm)                   | (mm)                  | (mm)               | (mm)                    | (mm)                   | (mm)    | (mm)        |      | (mm)  | (mm)        |      | (sensel per sq. cm)    |                |  |
| 5101D  | 340.1                  | 259.1                 | 167.4              | 223.5                   | 111.8                  | 1.3     | 2.5         | 88   | 1.3   | 2.5         | 44   | 15.5                   |                |  |

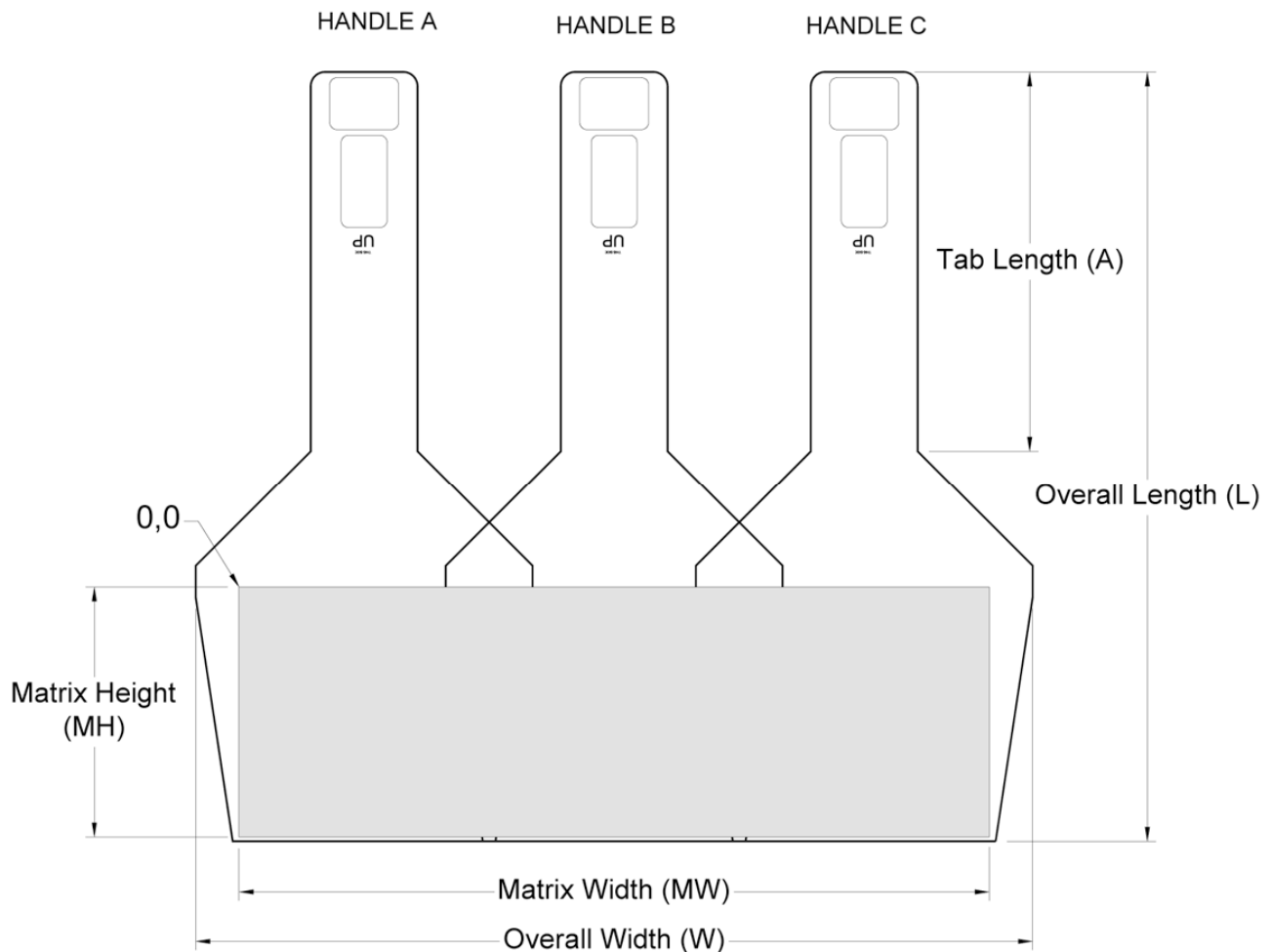
# SENSOR MODEL: 5101

## SENSOR MAP: 5101TL

### Application Examples:

- Small very high resolution walkway
- Small animal gait analysis

**Requirements:** 3 Handles for use with (3) 5101 Sensors



| Model  | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |         |             |      |       |             |      | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|--------|------------------------|-----------------------|--------------------|-------------------------|------------------------|---------|-------------|------|-------|-------------|------|------------------------|----------------------------------|
|        | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns |             |      | Rows  |             |      |                        |                                  |
|        |                        |                       |                    |                         |                        | CW      | Pitch<br>CS | Qty. | RW    | Pitch<br>RS | Qty. |                        |                                  |
|        |                        |                       |                    |                         |                        |         |             |      |       |             |      |                        |                                  |
|        |                        |                       |                    |                         |                        |         |             |      |       |             |      |                        |                                  |
| US     | (in.)                  | (in.)                 | (in.)              | (in.)                   | (in.)                  | (in.)   | (in.)       |      | (in.) | (in.)       |      |                        | (sensel per sq. in.)             |
| 5101TL | 13.39                  | 14.57                 | 6.59               | 13.20                   | 4.40                   | 0.050   | 0.100       | 132  | 0.050 | 0.100       | 44   | 5808                   | 100.0                            |
| Metric | (mm)                   | (mm)                  | (mm)               | (mm)                    | (mm)                   | (mm)    | (mm)        |      | (mm)  | (mm)        |      |                        | (sensel per sq. cm)              |
| 5101TL | 340.1                  | 370.1                 | 167.4              | 335.3                   | 111.8                  | 1.3     | 2.5         | 132  | 1.3   | 2.5         | 44   | 5808                   | 15.5                             |

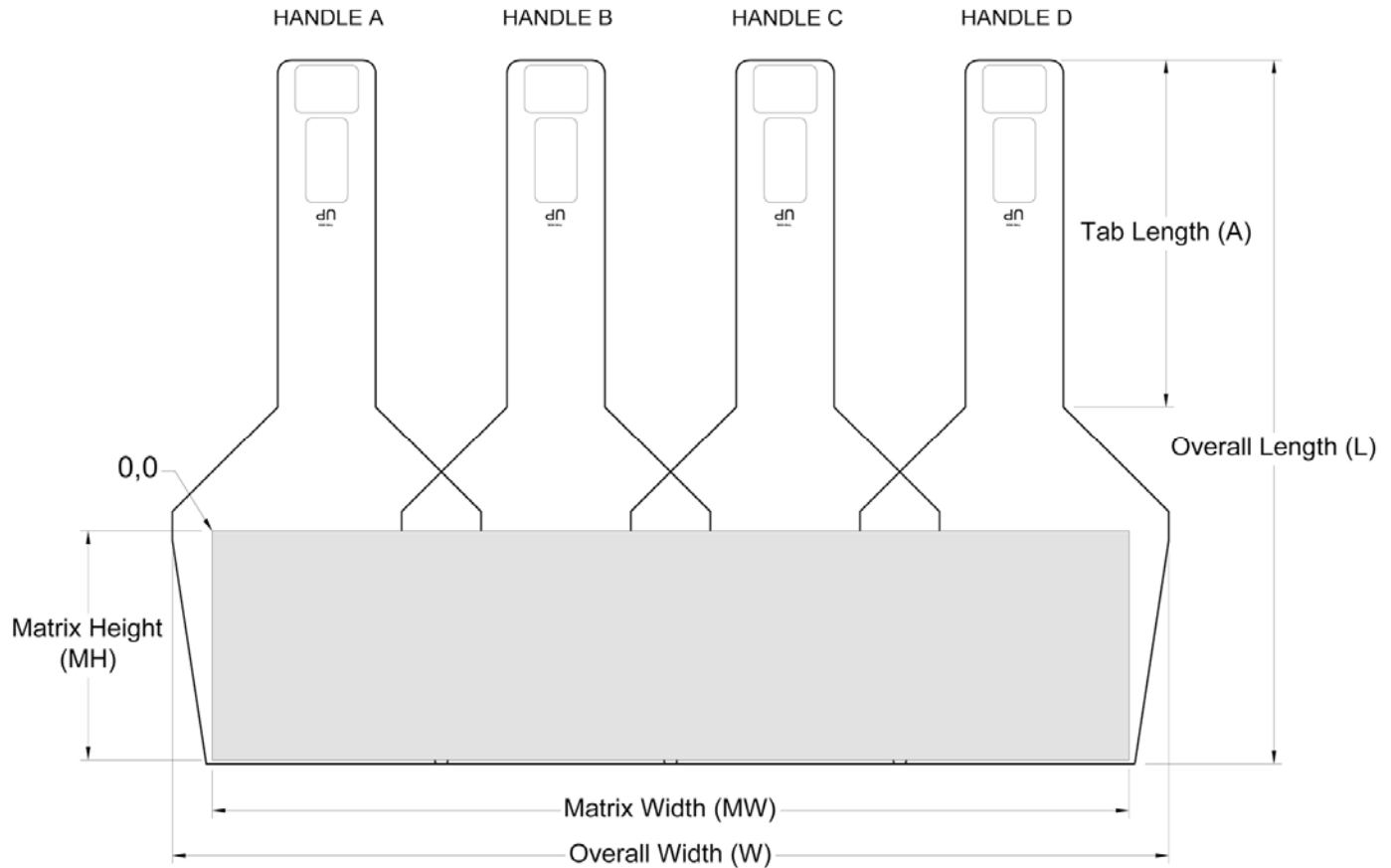
# SENSOR MODEL: 5101

## SENSOR MAP: 5101QL

### Application Examples:

- Small very high resolution walkway
- Small animal gait analysis

**Requirements:** 4 Handles for use with (4) 5101 Sensors



| Model  | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |         |       |     |       |       |    |                     |                                  |
|--------|---------------------|--------------------|-----------------|-------------------------|---------------------|---------|-------|-----|-------|-------|----|---------------------|----------------------------------|
|        | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns |       |     | Rows  |       |    | Total No.of Sensels | Resolution<br><br>Sensel Density |
|        |                     |                    |                 |                         |                     |         | Pitch |     |       | Pitch |    |                     |                                  |
|        | US                  | (in.)              | (in.)           | (in.)                   | (in.)               | (in.)   | CW    | CS  | Qty.  | RW    | RS | Qty.                |                                  |
| 5101QL | 13.39               | 18.93              | 6.59            | 17.60                   | 4.40                | 0.050   | 0.100 | 176 | 0.050 | 0.100 | 44 | 7744                | (sensel per sq. in.)<br>100.0    |
| Metric | (mm)                | (mm)               | (mm)            | (mm)                    | (mm)                | (mm)    | (mm)  |     | (mm)  | (mm)  |    |                     | (sensel per sq. cm)              |
| 5101QL | 340.1               | 480.8              | 167.4           | 447.0                   | 111.8               | 1.3     | 2.5   | 176 | 1.3   | 2.5   | 44 | 7744                | 15.5                             |

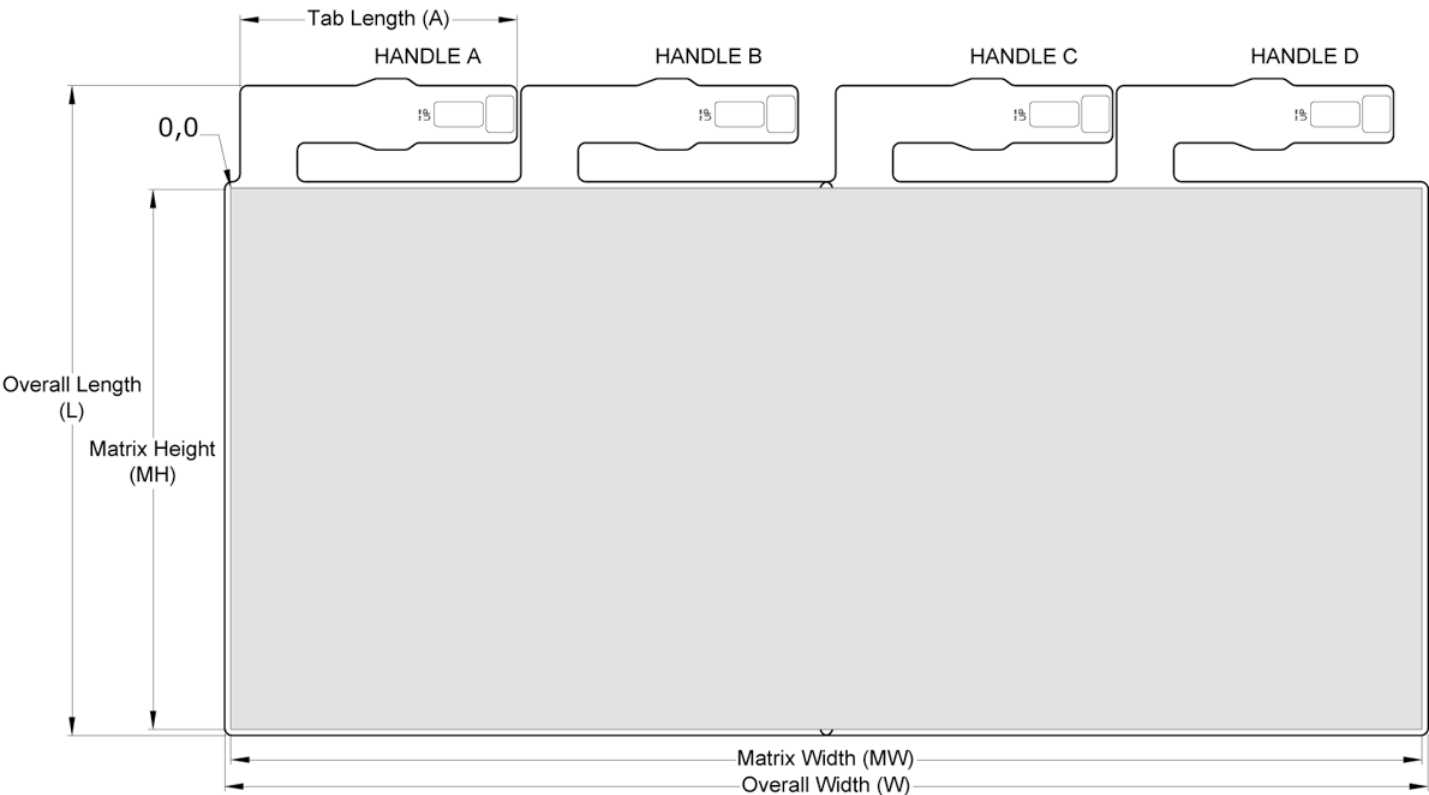
# SENSOR MODEL: 7101 (E)

## SENSOR MAP: 7101D

Application Example: High resolution walkway

Requirements:

- 2 sets of Dual Handles for use with (2) 7101 Sensors or 4 *VersaTek*® Cuffs for use with (2) 7101E Sensors
- Research Foot software



| Model  | General Dimensions  |                    |                 | Sensing Area Dimensions |                     |         |          |      |       |          |      |                     | Resolution           |
|--------|---------------------|--------------------|-----------------|-------------------------|---------------------|---------|----------|------|-------|----------|------|---------------------|----------------------|
|        | Overall Length<br>L | Overall Width<br>W | Tab Length<br>A | Matrix Width<br>MW      | Matrix Height<br>MH | Columns |          |      | Rows  |          |      | Total No.of Sensels |                      |
|        |                     |                    |                 |                         |                     | CW      | Pitch CS | Qty. | RW    | Pitch RS | Qty. |                     |                      |
|        |                     |                    |                 |                         |                     |         |          |      |       |          |      |                     |                      |
| US     | (in.)               | (in.)              | (in.)           | (in.)                   | (in.)               | (in.)   | (in.)    |      | (in.) | (in.)    |      |                     | (sensel per sq. in.) |
| 7101D  | 21.35               | 39.10              | 9.00            | 38.40                   | 17.60               | 0.125   | 0.200    | 192  | 0.125 | 0.200    | 88   | 16896               | 25.0                 |
| Metric | (mm)                | (mm)               | (mm)            | (mm)                    | (mm)                | (mm)    | (mm)     |      | (mm)  | (mm)     |      |                     | (sensel per sq. cm)  |
| 7101D  | 542.3               | 993.1              | 228.6           | 975.4                   | 447.0               | 3.2     | 5.1      | 192  | 3.2   | 5.1      | 88   | 16896               | 3.9                  |



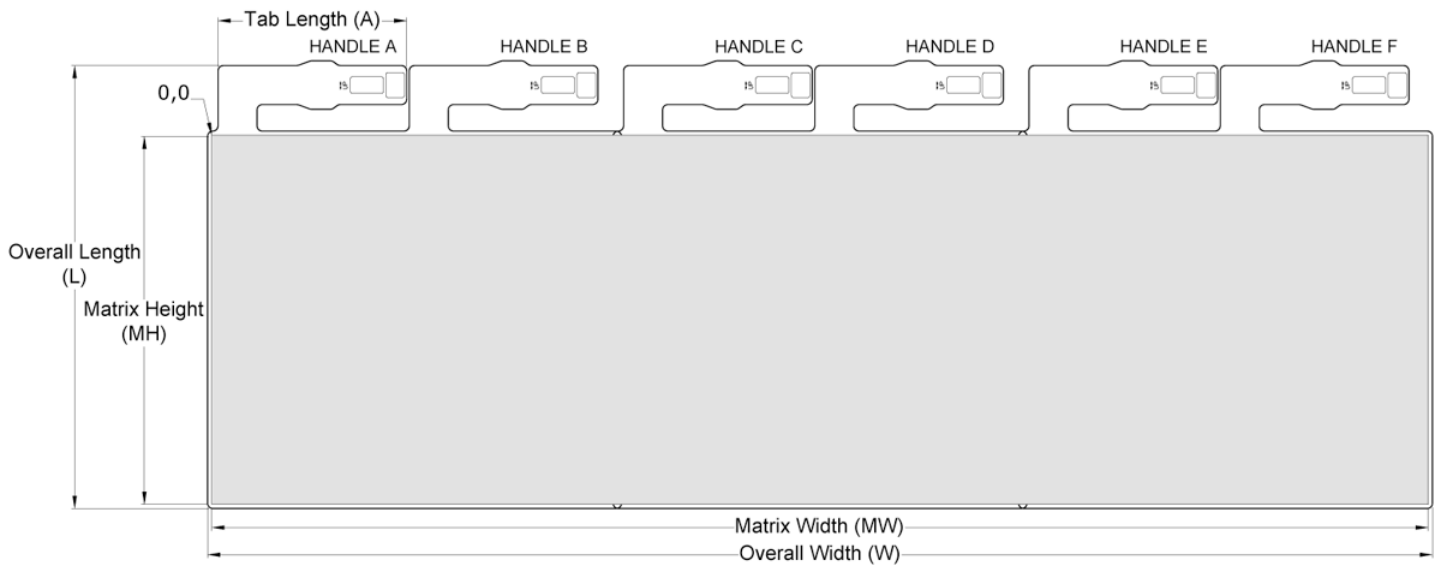
# SENSOR MODEL: 7101 (E)

## SENSOR MAP: 7101TL

**Application Example:** High resolution walkway

### Requirements:

- 3 sets of Dual Handles for use with (3) 7101 Sensors or 6 *VersaTek*® Cuffs for use with (3) 7101E Sensors
- Research Foot software



| Model<br>US<br>7101TL<br>Metric<br>7101TL | General Dimensions         |                           |                        | Sensing Area Dimensions   |                            |         |       |       |       |       |       | Total No.of<br>Sensels       | Resolution<br><br>Sensel Density |
|-------------------------------------------|----------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------|-------|-------|-------|-------|-------|------------------------------|----------------------------------|
|                                           | Overall<br>Length<br><br>L | Overall<br>Width<br><br>W | Tab<br>Length<br><br>A | Matrix<br>Width<br><br>MW | Matrix<br>Height<br><br>MH | Columns |       |       | Rows  |       |       |                              |                                  |
|                                           |                            |                           |                        |                           |                            |         | Pitch | Qty.  |       | Pitch | Qty.  |                              |                                  |
|                                           |                            |                           |                        |                           |                            |         |       |       |       |       |       |                              |                                  |
|                                           |                            |                           |                        |                           |                            |         |       |       |       |       |       |                              |                                  |
| (in.)                                     | (in.)                      | (in.)                     | (in.)                  | (in.)                     | (in.)                      | (in.)   |       | (in.) | (in.) |       |       |                              |                                  |
| 21.35                                     | 58.45                      | 9.00                      | 57.60                  | 17.60                     | 0.125                      | 0.200   | 288   | 0.125 | 0.200 | 88    | 25344 | (sensel per sq. in.)<br>25.0 |                                  |
| (mm)                                      | (mm)                       | (mm)                      | (mm)                   | (mm)                      | (mm)                       | (mm)    |       | (mm)  | (mm)  |       |       |                              |                                  |
| 542.3                                     | 1484.6                     | 228.6                     | 1463.0                 | 447.0                     | 3.2                        | 5.1     | 288   | 3.2   | 5.1   | 88    | 25344 | (sensel per sq. cm)<br>3.9   |                                  |

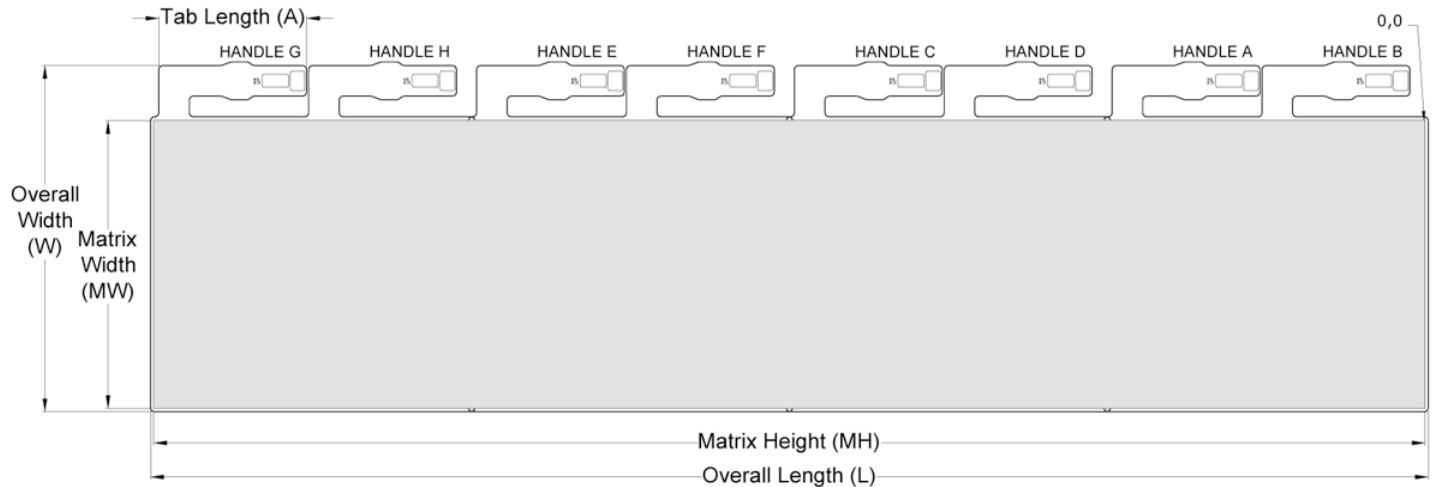
# SENSOR MODEL: 7101 (E)

## SENSOR MAP: 7101QL

**Application Example:** High resolution walkway

### Requirements:

- 4 sets of Dual Handles for use with (4) 7101 Sensors or 8 *VersaTek*® Cuffs for use with (4) 7101E Sensors
- Research Foot software



| Model  | General Dimensions         |                           |                        | Sensing Area Dimensions   |                            |         |             |      |       |             |      | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|--------|----------------------------|---------------------------|------------------------|---------------------------|----------------------------|---------|-------------|------|-------|-------------|------|------------------------|----------------------------------|
|        | Overall<br>Length<br><br>L | Overall<br>Width<br><br>W | Tab<br>Length<br><br>A | Matrix<br>Width<br><br>MW | Matrix<br>Height<br><br>MH | Columns |             |      | Rows  |             |      |                        |                                  |
|        |                            |                           |                        |                           |                            | CW      | Pitch<br>CS | Qty. | RW    | Pitch<br>RS | Qty. |                        |                                  |
|        |                            |                           |                        |                           |                            |         |             |      |       |             |      |                        |                                  |
|        |                            |                           |                        |                           |                            |         |             |      |       |             |      |                        |                                  |
| US     | (in.)                      | (in.)                     | (in.)                  | (in.)                     | (in.)                      | (in.)   | (in.)       |      | (in.) | (in.)       |      | (sensel per sq. in.)   |                                  |
| 7101QL | 77.80                      | 21.35                     | 9.00                   | 17.60                     | 76.80                      | 0.125   | 0.200       | 88   | 0.125 | 0.200       | 384  | 33792                  | 25.0                             |
| Metric | (mm)                       | (mm)                      | (mm)                   | (mm)                      | (mm)                       | (mm)    | (mm)        |      | (mm)  | (mm)        |      | (sensel per sq. cm)    |                                  |
| 7101QL | 1976.1                     | 542.3                     | 228.6                  | 447.0                     | 1950.7                     | 3.2     | 5.1         | 88   | 3.2   | 5.1         | 384  | 33792                  | 3.9                              |

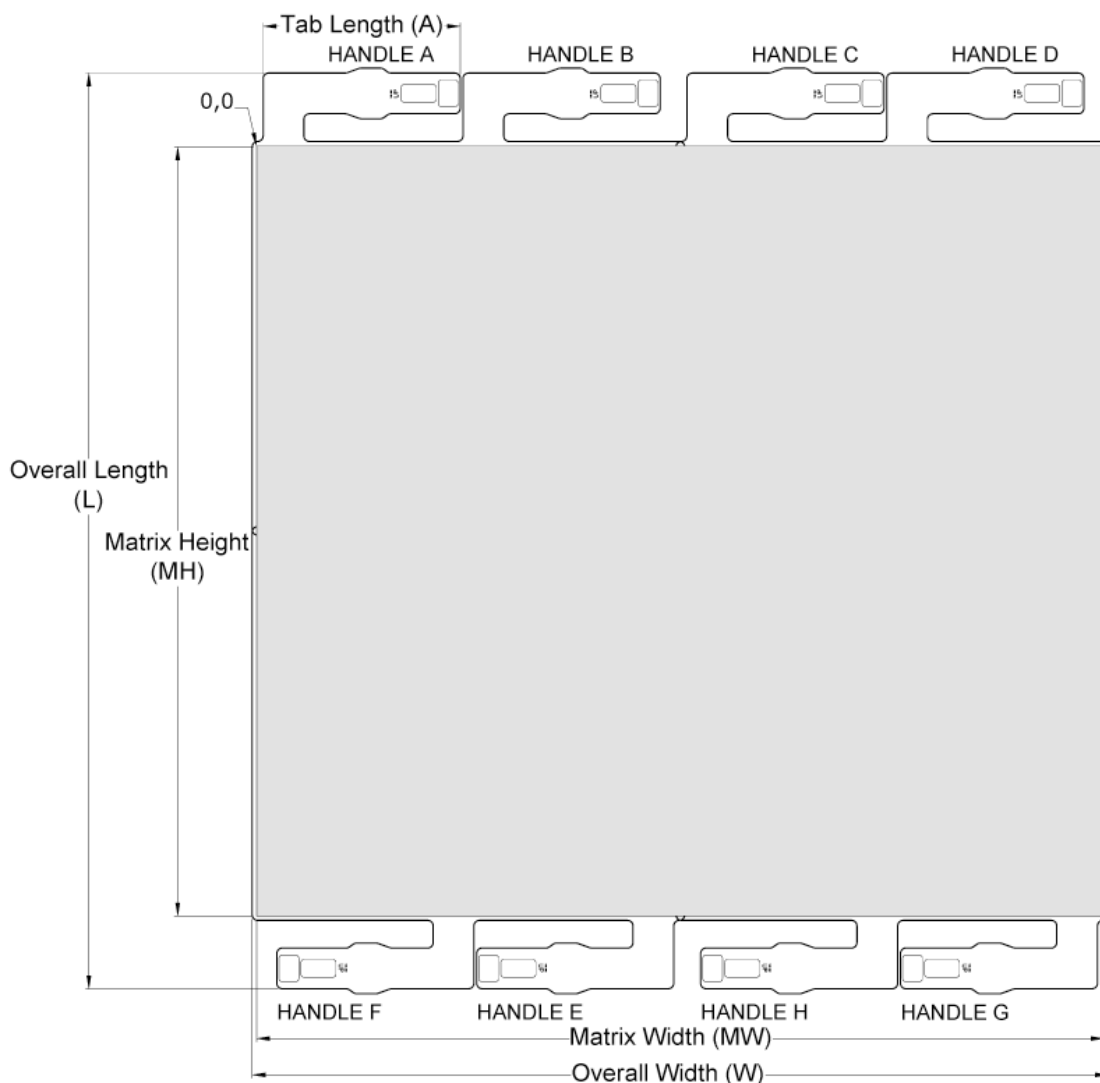
# SENSOR MODEL: 7101 (E)

## SENSOR MAP: 7101Q

Application Example: High resolution walkway

### Requirements:

- 4 sets of Dual Handles for use with (4) 7101 Sensors or 8 *VersaTek*® Cuffs for use with (4) 7101E Sensors
- Research Foot software



| Model  | General Dimensions     |                       |                    | Sensing Area Dimensions |                        |         |             |      |       |             |      | Total No.of<br>Sensels | Resolution<br><br>Sensel Density |
|--------|------------------------|-----------------------|--------------------|-------------------------|------------------------|---------|-------------|------|-------|-------------|------|------------------------|----------------------------------|
|        | Overall<br>Length<br>L | Overall<br>Width<br>W | Tab<br>Length<br>A | Matrix<br>Width<br>MW   | Matrix<br>Height<br>MH | Columns |             |      | Rows  |             |      |                        |                                  |
|        |                        |                       |                    |                         |                        | CW      | Pitch<br>CS | Qty. | RW    | Pitch<br>RS | Qty. |                        |                                  |
|        |                        |                       |                    |                         |                        |         |             |      |       |             |      |                        |                                  |
| US     | (in.)                  | (in.)                 | (in.)              | (in.)                   | (in.)                  | (in.)   | (in.)       |      | (in.) | (in.)       |      | (sensel per sq. in.)   |                                  |
| 7101Q  | 42.30                  | 39.10                 | 9.00               | 38.40                   | 35.20                  | 0.125   | 0.200       | 192  | 0.125 | 0.200       | 176  | 33792                  | 25.0                             |
| Metric | (mm)                   | (mm)                  | (mm)               | (mm)                    | (mm)                   | (mm)    | (mm)        |      | (mm)  | (mm)        |      | (sensel per sq. cm)    |                                  |
| 7101Q  | 1074.4                 | 993.1                 | 228.6              | 975.4                   | 894.1                  | 3.2     | 5.1         | 192  | 3.2   | 5.1         | 176  | 33792                  | 3.9                              |

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