

## DIGITAL RANGE

### Laboratory multi-parameter tester MPC 350

Ergonomic  
Rugged  
Simultaneous measurements  
Watertight keypad

pH, mV,  
Temperature °C,  
Conductivity:  
**all-in-one**

Double display

Automatic or manual calibration with 1 or 2 buffers for pH

6 conductivity measurement ranges (nS/cm to mS/cm - automatic or manual switching)

Automatic or manual temperature compensation

RS232 digital output and analogue outputs (0-5 V)



## Technical specifications:

## MPC 350 multi-parameter tester

|  |  |   |  |
|--|--|---|--|
| Screen   | 1 x 2,000-count LCD display + 1 x 8-character alphanumeric display   |   |  |
| Parameters measured                              | pH   | ■   |  |
|  | Redox potential  | ■   |  |
|  | Conductivity   | ■   |  |
|  | Temperature  | ■   |  |
| <b>METROLOGICAL PERFORMANCE</b>                  |  |   |  |
| Measurement range and associated resolution (Rs) | pH   | 0 - 14 (Rs = 0,01 pH)   |  |
|  | Redox potential  | ± 1,999 mV (Rs = 1 mV)  |  |
|  | Conductivity   | <i>6 measurement ranges:</i><br>0 - 2,000 nS/cm<br>0 - 20 µS/cm<br>0 - 200 µS/cm<br>0 - 2,000 µS/cm<br>0 - 20 mS/cm<br>0 - 200 mS/cm    | <i>Resolution:</i><br>Rs = 1 nS/cm<br>Rs = 0.01 µS/cm<br>Rs = 0.1 µS/cm<br>Rs = 1 µS/cm<br>Rs = 0.01 mS/cm<br>Rs = 0.1 mS/cm |
|  | Temperature  | <i>Manual correction:</i><br>0 - 150 °C (Rs = 0.1 °C)<br><i>Automatic correction (with Pt100 sensor):</i><br>-10 - 200 °C (Rs = 0.1 °C) |  |
| Calibration                                      | pH: automatic or manual with 1 or 2 buffers<br>Redox potential: manual with 1 buffer<br>Conductivity: manual   |   |  |
| <b>FUNCTIONS</b>                                 |  |   |  |
| Temperature compensation                         | ATC or MTC   |   |  |
| <b>ENVIRONMENTAL SPECIFICATIONS</b>              |  |   |  |
| Operating temperature                            | 0 to 50 °C   |   |  |
| Humidity   | 5 to 80 % at 35 °C   |   |  |
| Pollution class                                  | Usage category 2   |   |  |
| Altitude limit                                   | 2,000 m  |   |  |
| Conformity                                       | NF EN61010-1 — NF EN 61326 (Class B)   |   |  |
| <b>PHYSICAL SPECIFICATIONS</b>                   |  |   |  |
| Dimensions (length x width x depth)              | 275 x 208 x 51 mm  |   |  |
| Weight   | 840 g  |   |  |
| Connections (inputs)                             | BNC plug for pH electrode and input for separate pH reference electrode<br>BNC plug for redox electrode and input for separate redox reference electrode<br>BNC plug for conductivity cell<br>5-pin plug for conductivity and temperature cell or temperature sensor only (x4) |   |  |
| Communication (outputs)                          | 9-male-channel sub.d connector for analogue recorder outputs<br>9-female-channel sub.d connector for RS232 output  |   |  |
| Power supply                                     | 9 V mains adapter (supplied)   |   |  |
| Warranty   | 3 years  |   |  |

## Ordering references and state at delivery:

|  |                   |
|--|-------------------|
| Laboratory multi-parameter tester : delivered with 1 mains adapter (9 V power supply),<br>2 concentrated pH buffer solutions: pH 4.00 and 7.00 (125 mL),<br>1 x 146 mV Michaelis solution (125 mL),<br>1 x 1 M KCl solution,<br>1 BNC short-circuit plug<br>1 user manual<br>1 x 2 mm/4 mm adapter<br>1 common reference cable | <b>MPC350</b>     |
| Electrodes/sensors and mechanical accessories  | Please contact us |

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