

# MyoMeter M500

The M500 allows the user to quantify the force applied during Manual Muscle Testing. Manual Muscle Testing is a procedure for the evaluation of the function and strength of individual muscles and muscle groups based on effective performance of a movement in relation to the forces of gravity and manual resistance.



**The M500 MyoMeter is held by the examiner with the curved anvil placed against the body part to be tested. The limb is stabilized and held in the desired starting position. The patient is instructed to hold the limb in position and resist the force applied by the examiner. The examiner applies force gradually until the limb is depressed. The force required to move the limb is referred to as the “breaking force”.**

The M500 MyoMeter is supplied with two anvils:

- 1 x general purpose (small)
- 1 x general purpose (large)

By connecting the M500 MyoMeter to the DataLOG or the DataLINK and using the management & analysis software, force may be displayed and

analysed in units of Newtons, Kg or lb. The M500 may also be connected to the general purpose amplifier K800 for direct connection to 3rd party instruments such as A/D cards.

## MYOMETER M500 SPECIFICATIONS

Dimensions	115 x 65 x 32 mm
Mass	250 g
Accuracy	better than 1% RL
Rated Load (RL)	0 to 500N
Calibrated and designed to work in compression only.	
Anvils	1 small, 1 large
Cable	Direct connection to DataLOG, DataLINK and K800 using cable type no. H1800

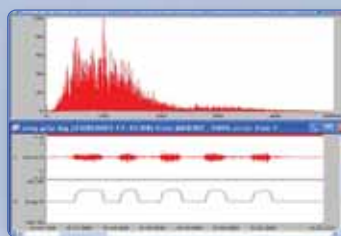
## Dynamometer G100

The Biometrics Dynamometer utilises precision load cell technology to increase the sensitivity and accuracy of measurement of even very low grip strength forces. By using the industry standard Jamar design exterior researchers can compare with standardised normative data. Total accuracy is better than  $\pm 1\%$ . Full scale 0-90Kg or 0-200lbs.



Graphs showing extensor EMG and 5 repetitions of maximum grip strength of a normal subject, with EMG Power Spectrum.

Note this trace is raw data and NO filtering has been applied to reduce artefacts. Data collected using DataLINK, active EMG sensor SX230 and hand dynamometer G100.



## Pinchmeter P100

The unique electronic pinchmeter has a low profile design that enables the researcher to accurately quantify pinch strength at closer to end range than any other device.

## SPECIFICATIONS Dynamometer G100

Dimensions	standard Jamar configuration
Mass	630 g
Accuracy	better than 1% RL
Rated Load (RL)	0 to 90 Kg or 0 to 200 lb
Cable	Direct connection to DataLOG, DataLINK and K800 using cable type no. H1800
Calibrated and designed to work in compression only.	

## SPECIFICATIONS Pinchmeter P100

Dimensions	diameter 45 X 6 mm
Mass	65 g
Accuracy	better than 0.6% RL
Rated Load (RL)	0 to 22.5 Kg or 0 to 50 lb
Cable	Direct connection to DataLOG, DataLINK and K800 using cable type no. H1800
Calibrated and designed to work in compression only.	