

# Myometer

**Muscle Strength Tester with Constant score facility**

**Fixed-point myometers provide more reliable measurement of isometric muscle strength compared with hand-held devices. The Mecmesin AFG Myometer is a highly accurate instrument suited to a wide range of muscle strength evaluations and for ergonomic testing.**

The integral Constant score facility automatically records the applied load at 2 and 3 seconds, the maximum load, and the mean load between 1 and 4 seconds.



Myometer testing muscular strength



Horizontal application

The AFG Myometer comprises a digital force gauge with accessories for bench-clamping, and adjustable loops to pass around limbs for pulling.

Health professionals will find the AFG Myometer invaluable for reliable comparative assessment of patient muscle strength. As a diagnostic tool, its accurate measurement can assess injury and disease progression, and treatment success. As a training aid, it can objectively assess muscle development in sports persons' limbs for pulling.

## Features

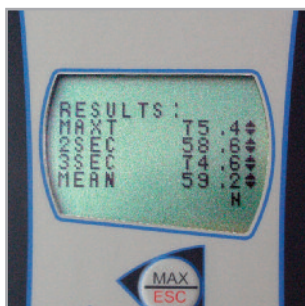
- 1000 N capacity
- All information clearly shown on digital display
- Accuracy  $\pm 0.1\%$  of full scale deflection
- Peak data capture rate 5000 Hz
- Digital and analogue output
- Reversible display and backlight functions
- Traceable certification and calibration service

## What's Included

- AFG Myometer
- Accessory kit
- Transit case
- Calibration certificate
- Emperor™ Lite software and cables

# Mecmesin

testing to perfection



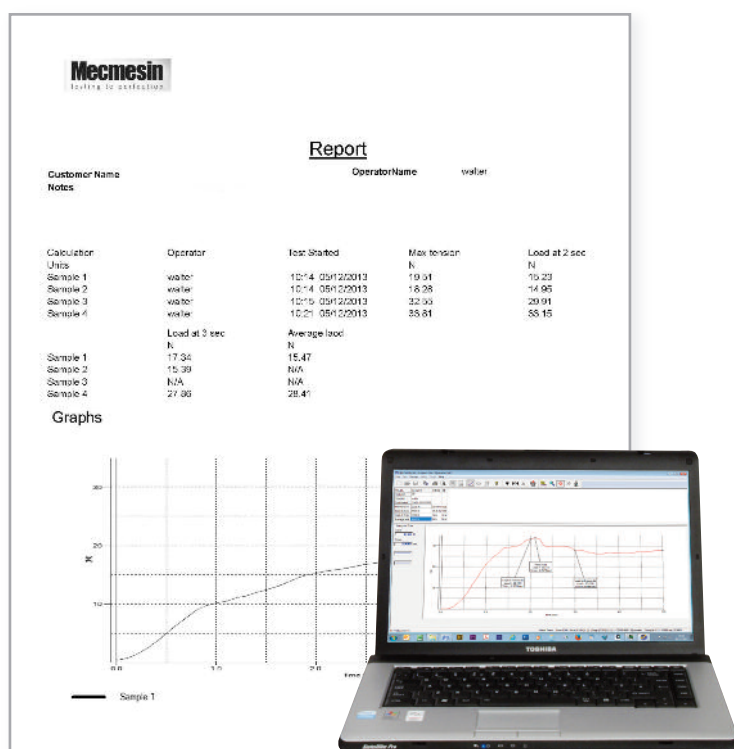
Example of a test on the digital gauge display



Myometer mounted to desktop for vertical application



Accessories



## Emperor™ Lite Data Acquisition Software

Windows based software for logging, plotting and analysing isometric abduction data.

Emperor™ Lite enables a PC to communicate with the Mecmesin Myometer by means of a bi-directional RS232 interface. The software regularly requests data from the Myometer, which is then accumulated and plotted as a function of time.

Operators can quickly and easily perform in-depth analysis of measurements with a graphical trace of the test.

## Features

- Simple-to-use graphical interface
- View each test 'live' on a PC screen
- Perform multiple calculations e.g. peak, average, trough and area under trace values
- Easily identify and label critical measurement values and success/failure points during the test
- Customisation enables annotations and titles to be added to the graph
- Overlay multiple curves for comparative analysis
- Data can be printed or exported to spreadsheets



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Mecmesin reserves the right to alter equipment specifications without prior notice.  
E&EO

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