

Myometer

Instrument for evaluating shoulder function

Designed primarily for shoulder strength measurements using the 'CONSTANT SCORE' technique the Myometer performs the following calculations:

- Recorded load @ 2 seconds
- Recorded load @ 3 seconds
- Maximum tensile load
- Mean load between 1 & 4 seconds



Myometer testing muscular strength

Measuring isometric muscle strength, the Myometer is not limited to shoulder measurement alone, as it can also assess lower limb function and strength. It can be used as a stand-alone instrument or combined with Emperor Lite, data acquisition software (shown opposite), to enable further analysis of test data.

The Myometer is bench or desk-mounted and may be used horizontally or vertically depending on the requirement.

The Myometer comprises a digital force gauge and accessories, enabling:

Consultants, Surgeons and Health Professionals to perform muscle strength assessments for evaluating the outcome from surgery, comparing pre and post operative scores, and gain information about disease progression, the result of treatment, or the effect of training in a healthy sports person.

FEATURES

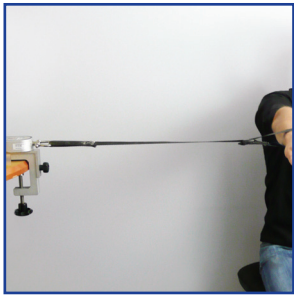
- 1000N capacity
- All information clearly shown on digital display
- Accuracy $\pm 0.1\%$ of full scale deflection
- Peak data capture rate 5000Hz
- Digital and analogue output
- Reversible display and backlight functions
- Traceable certification and calibration service

WHAT'S INCLUDED

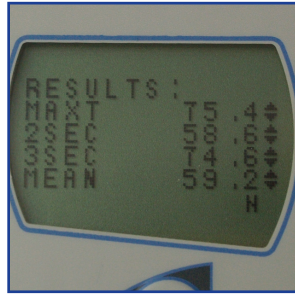
- Myometer bracket
- Accessory kit - including wrist/ankle strap and bow shackle
- Emperor™ Lite software and cables
- Transit case
- Certificate of Calibration

Mecmesin

testing to perfection



Horizontal application



Example of digital gauge display of test



Myometer mounted to desktop for vertical application



Accessories

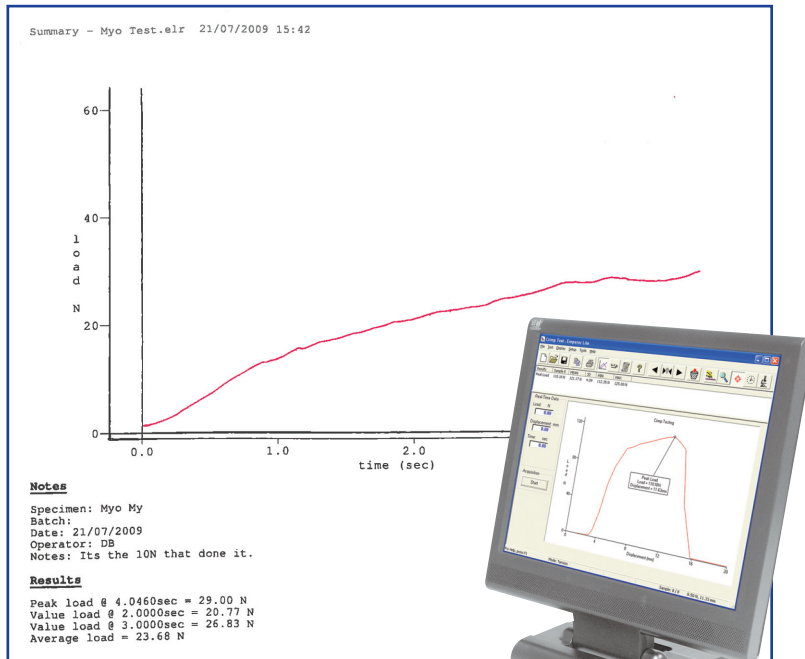


EMPEROR™ LITE - DATA ACQUISITION SOFTWARE

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 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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