

Mecmesin

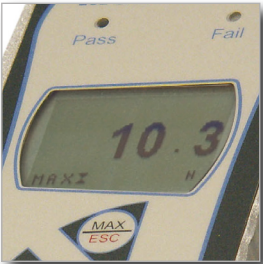
testing to perfection



Emperor™ Lite

Data Acquisition Software

Force & Torque Test Solutions



Transform your test data from simple numbers into meaningful graphs with calculation results and reports

Emperor™ Lite

Release the full potential of your test stand or force/torque gauge ...

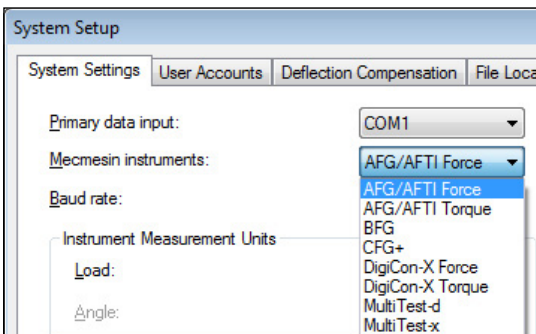
To get the most from your quality control testing, sometimes simple figures are not enough. Emperor Lite takes your test results to the next level of assessment.

An easy-to-use data acquisition software package, Emperor Lite connects to your test system or instrument, plotting test data directly onto your PC screen. It provides instant access to a range of analysis tools, enabling you to fully assess your products test performance - from pinpointing weaknesses in design prior to production, to identifying critical quality maintenance points during the manufacturing process.

Emperor Lite can be used with a range of Mecmesin systems and instruments;

Instruments		Test Systems	
Force	Torque	Force	Torque
Advanced Force Gauge (AFG)	Tornado	MultiTest-d	Vortex-d
Basic Force Gauge (BFG)	Orbis	M500E	
Advanced Force & Torque Indicator (AFTI)	AFTI	Vortex-d	
Compact Force Gauge (CFG)			

Emperor™ Lite Features



Software setup couldn't be easier...

- Select from a choice of language options
- Choose the Mecmesin instrument you are using
- 'One click' to automatically configure the software

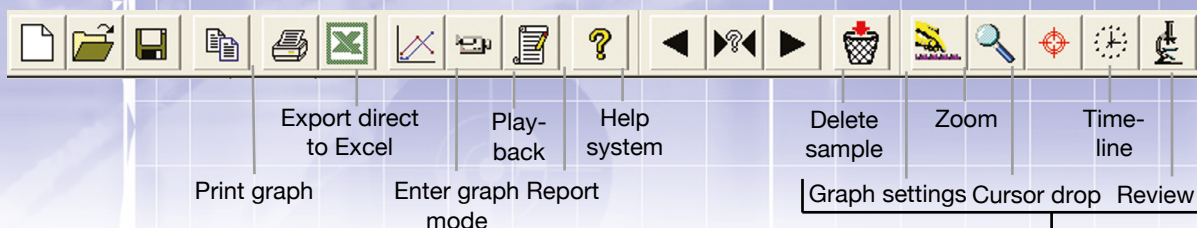
A simple-to-use graphical interface ...

- Data is plotted 'live' on screen producing a clear, easy-to-read graphical trace on your PC screen
- Overlay multiple curves for comparative analysis
- Simple customisation allows annotations and titles to be added to the graph
- Zoom and timeline functions for viewing areas of interest in greater detail
- Test results immediately displayed on screen and option to export data automatically at end of test

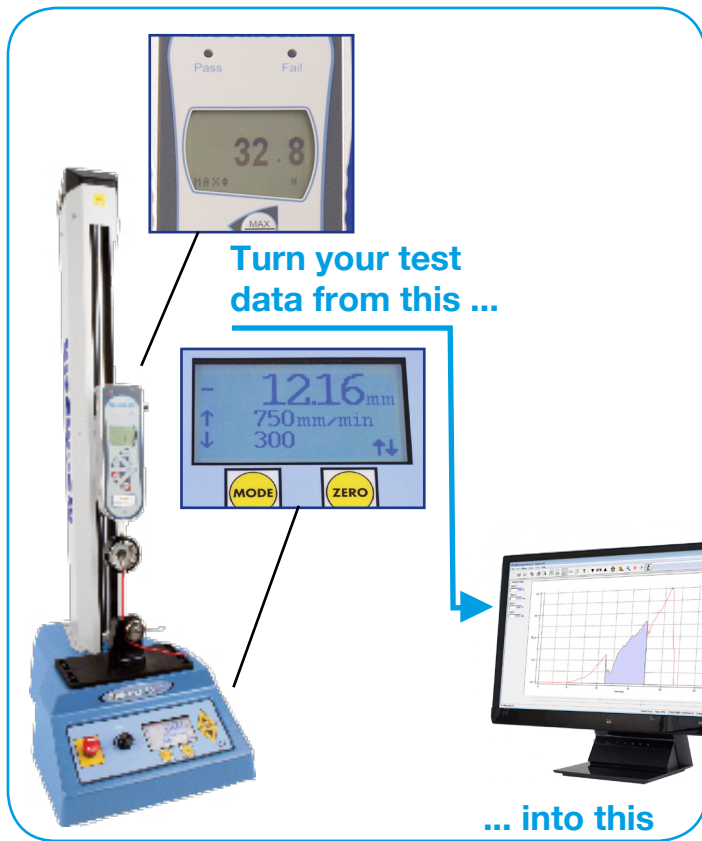


The toolbar...

- The toolbar simplifies testing by helping you navigate efficiently to key features.



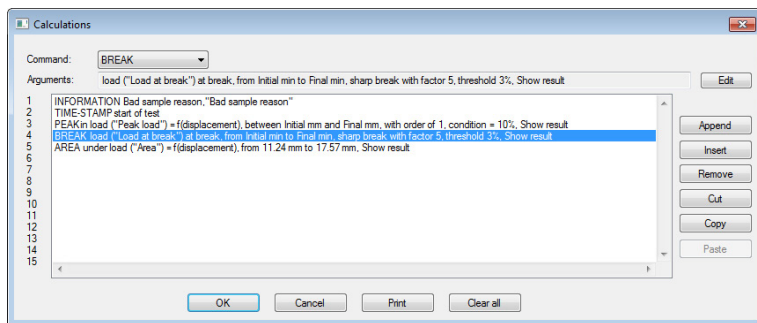
Only visible when 'Enter Graph Mode' has been selected



Plot force/torque vs time or force/torque vs displacement curves...

Ideally suited for both force and torque measurements, Emperor Lite software communicates via a bi-directional RS232 interface or USB converter enabling it to be used with gauges and test stands.

- ✓ View test 'live' on PC screen
- ✓ Perform multiple calculations e.g. peak, trough and average
- ✓ Easily identify whether sample meets pass/fail criteria
- ✓ Produce summary test reports with graphical traces
- ✓ Available in multiple languages



Calculations performed easily...

Select from an extensive list of common calculations within the software database;

- Peak
- Trough
- Average
- Value at
- Tolerance verdict
- Load/Displacement at Break
- Area under curve
- Slope
- Start/Stop trigger

Data analysis tools at your fingertips...

- Colour-coded results give immediate indicators to easily identify pass/fail scenarios
- Upper and lower tolerance bands can be set to visually show whether product samples fall within a defined specification

Summary test report...

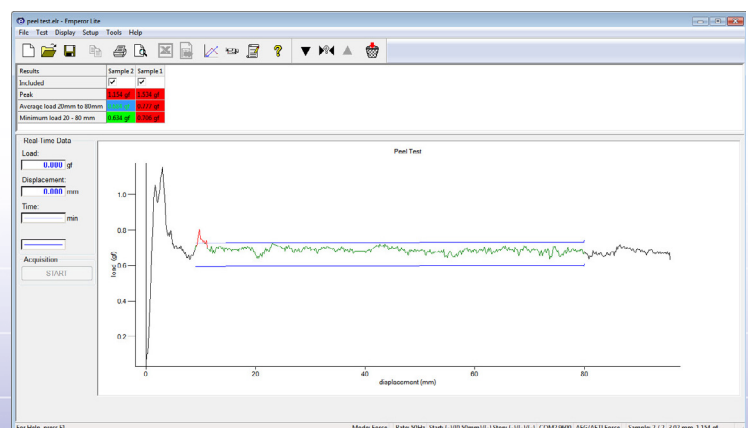
- Print the graph and test results for a quick record
- Sample statistics include Standard Deviation, Mean & Max/Min

Exporting to other software and peripheral devices...

- Use 'export data' function to transfer information to other packages (e.g. Microsoft® Excel or SPC packages) for further analysis

Help when you need it...

- Comprehensive Help system available at all points within the programme
- Available in multiple languages



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Force Testing Products		Torque Testing Products	
	<p>Test equipment AFG , BFG, CFG + 'Myometer'</p> <p>Test measurement Force vs Time</p> <p>Live data transmitted Yes</p> <p>Control over test No</p>		<p>Test equipment AFTI</p> <p>Test measurement - Force Force vs Time</p> <p>- Torque Torque vs Time</p> <p>Live data transmitted Yes</p> <p>Control over test No</p>
	<p>Test equipment MultiTest-d used with AFG or BFG</p> <p>Test measurement Force & Displacement</p> <p>Live data transmitted Yes</p> <p>Control over test No</p>		<p>Test equipment Orbis & Tornado</p> <p>Test measurement Torque vs Time</p> <p>Live data transmitted Yes</p> <p>Control over test No</p>
	<p>Test equipment M500E used with AFG or BFG</p> <p>Test measurement Force & Displacement</p> <p>Live data transmitted Yes</p> <p>Control over test No</p>		<p>Test equipment Vortex-d used with AFTI</p> <p>Test measurement Torque & Angular Displacement</p> <p>Live data transmitted Yes</p> <p>Control over test No</p>

* See datasheet 431-267 for interface cables required

SPECIFICATIONS

Computer required	50MB available HDD, CD-ROM plus 2 available USB ports
Operating System	Windows 98SE / 2000 / ME / XP / VISTA / Windows 7
Data Output	LPT/USB (Printer port) ASCII file (Export direct to Excel, SPC package etc)
Data Acquisition Speed	Gauge/Test stand dependant: between 1-50Hz
License Protection	Yes, via USB dongle
Force Units	kN, N, mN, kgf, gf, lbf, ozf
Torque Units	N.m, N.cm, mN.m, kgf.cm, gf.cm, lbf.ft, lbf.in, ozf.in
Distance Units (angle)	mm, in (revs, degrees)
Data which can be directly plotted/accumulated	Force vs Time, Torque vs Time, Force vs Displacement, Torque vs Angle
Display multiple tests	Yes, up to 8 traces can be overlaid
Print options	Yes - graphs, raw data, test report
Export to other PC software	Yes as ASCII file (comma, tab delimited or direct to Excel)



FS 58553

Contact us now for further information and a free demonstration

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