







Force Testing Products

	Test equipment Test measurement Live data transmitted Control over test	AFG & BFG Force vs Time Yes No
	Test equipment Test measurement Live data transmitted Control over test	MultiTest-d used with AFG or BFG Force & Displacement Yes No
	Test equipment Test measurement Live data transmitted Control over test	MultiTest-x Force & Displacement No (test results sent after test is completed) Yes (from test stand)

Torque Testing Products

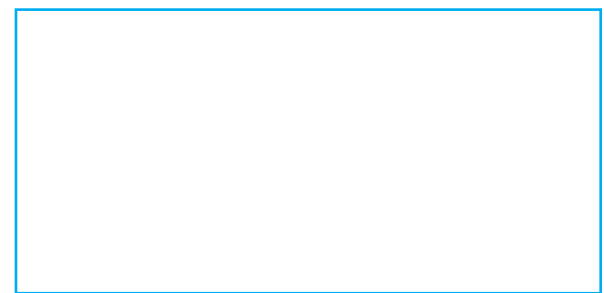
	Test equipment Test measurement - Force - Torque Live data transmitted Control over test	AFTI Force vs Time Torque vs Time Yes No
	Test equipment Test measurement Live data transmitted Control over test	Orbis & Tornado Torque vs Time Yes No
	Test equipment Test measurement Live data transmitted Control over test	Vortex-d used with AFTI Torque & Angular Displacement Yes No

* 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
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)

Contact us now for further information and a free demonstration

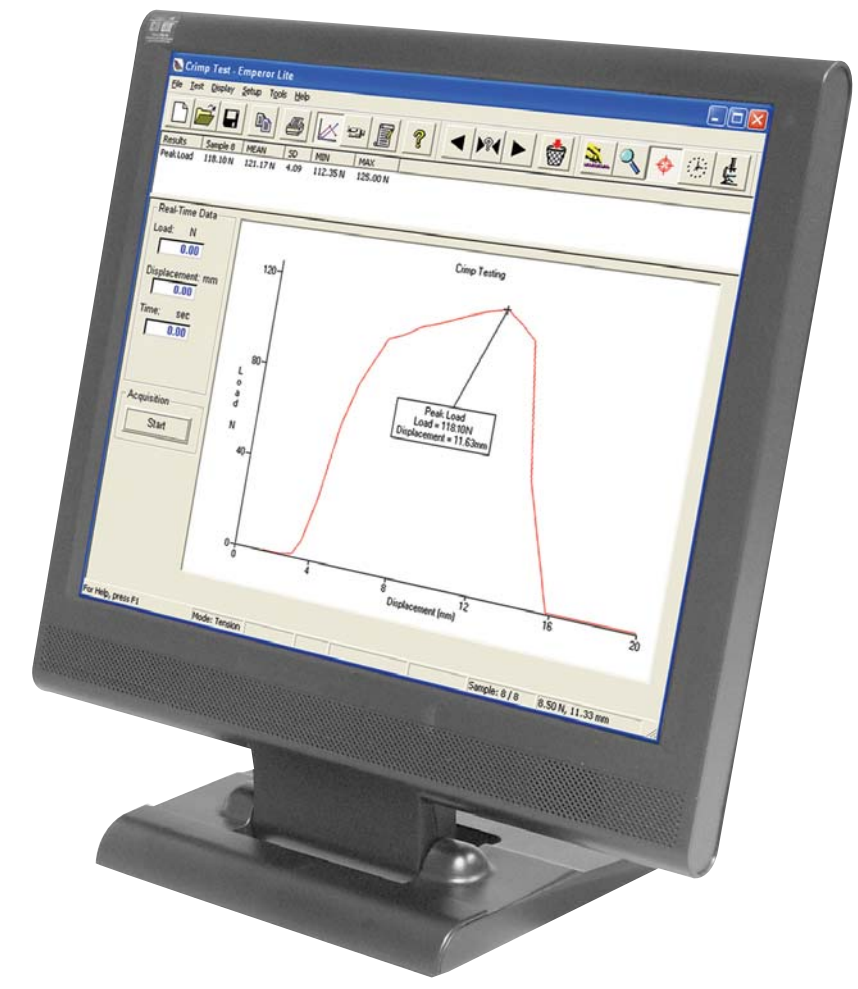


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Emperor™ Lite

data acquisition software

Force & Torque Test Solutions



Transform your test data from simple numbers into meaningful graphs with 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 before beginning production, to identifying critical quality points to maintain during the manufacturing process.

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

Instruments		Test Systems
<u>Force</u>	<u>Torque</u>	MultiTest-d MultiTest-x Vortex-d
Advanced Force Gauge (AFG)	Tornado	
Basic Force Gauge (BFG)	Orbis	
Advanced Force & Torque Indicator (AFTI)		

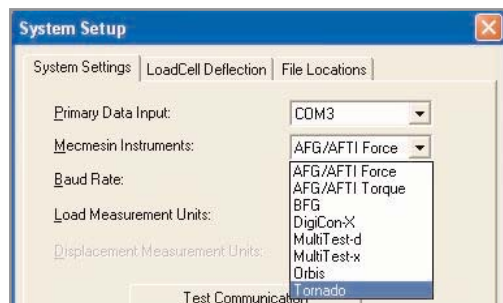


Plot force/torque vs time or force/torque vs displacement curves...

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

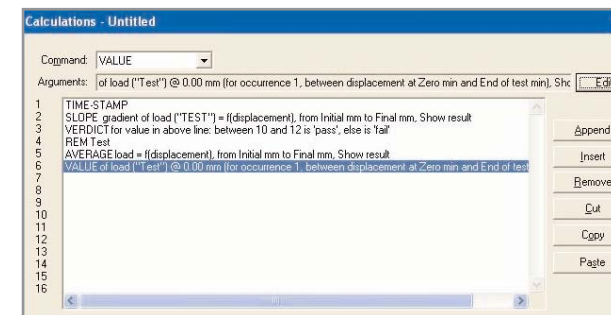
- ✓ View test 'live' on PC screen
- ✓ Perform multiple calculations e.g. peak, trough and average
- ✓ Easily identify whether sample meets pass/fail criteria
- ✓ Produce summary test reports with graphical traces
- ✓ Available in multiple languages

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



Calculations performed easily...

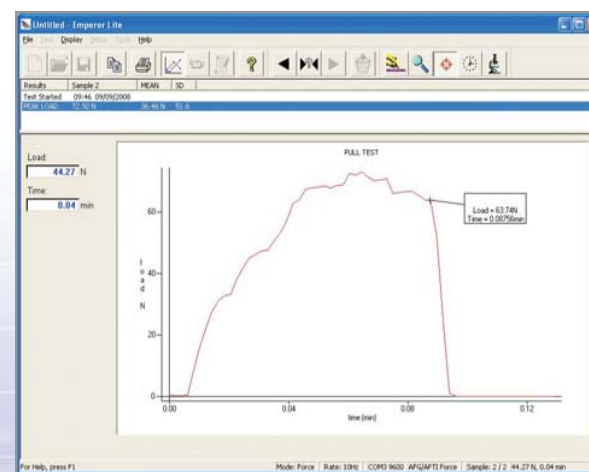
Select from an extensive list of common calculations within the software database;

- Peak
- Trough
- Average
- Area under curve
- Slope
- Value at
- Tolerance verdict
- Load/Displacement at Break
- Plus many more...

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

* MultiTest-x plotted post-test

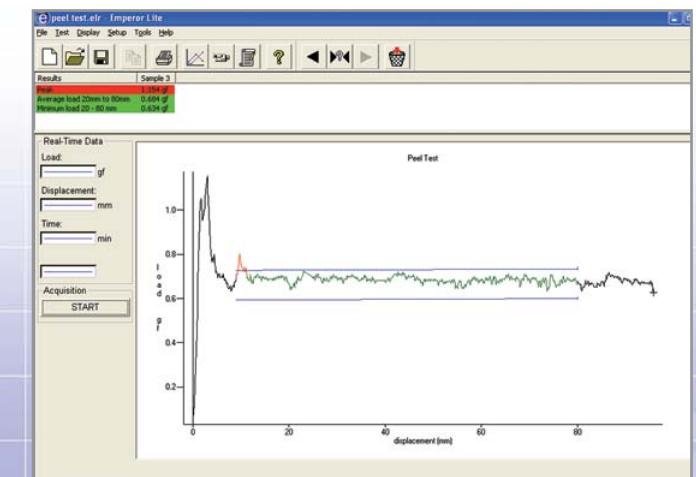


Data analysis tools at your fingertips...

- 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.

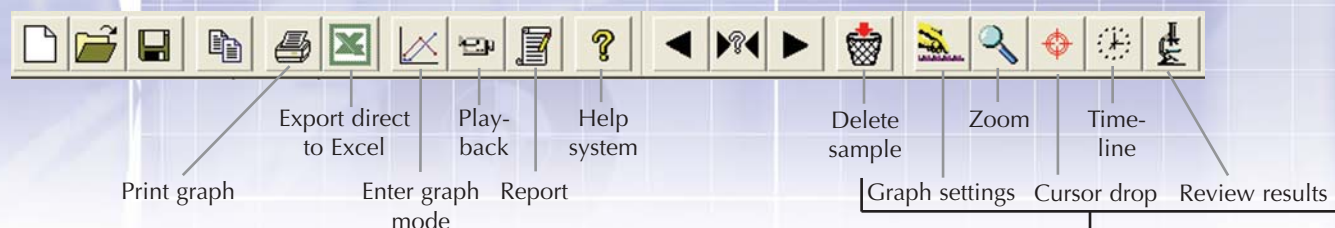
Summary test report...

- Print the graph and test results for a quick record.



The toolbar...

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



Only visible when 'Enter Graph Mode' has been selected

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.