32-1088 REV 0418

ESUR



MESUR® gauge and MESUR® gauge Plus expand the functionality of force and torque measuring instruments and test stands. Both programs share the ability to capture and display data in graphical format for load vs. time or load vs. travel vs. time. MESUR® gauge Plus adds the ability to control the motion of Mark-10 motorized test stands, coordinating motion control and data acquisition.

The programs include a set of tools to analyze test results, including statistical calculations, quick data export to Microsoft Excel, customizable reports, pass/fail indicators, and many others. Test setups are customizable and can be saved and recalled. The user can program test start and stop conditions, including load, time, distance, and sample break. Additional features include a large display screen for real time load and travel data and a utility to configure Mark-10 gauges from a PC.

Built-in simulated data generation allows MESUR[®] gauge or MESUR[®] gauge Plus to be evaluated without an instrument.

Features

- Acquire continuous or single-point data from force and torque measuring instruments and test stands.
- MESUR[®]gauge Plus starts and stops models ESM303, ESM303H, and ESM1500 motorized test stands, coordinating motion control and data collection with just one click.
- Real time tabular and graphical data acquisition of load vs. time or load vs. travel vs. time.
- Configurable start and stop test triggers (time, load, number of samples, or distance).
- Statistical calculations of acquired data. Automatically recalculates for custom data ranges.
- One-click export to Excel.
- Customize test setups for future recall.
- Customize reports and report templates.
- Configure Mark-10 gauges and indicators through a simple interface.
- View real time data on a large simulated instrument display.





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MESUR[®]gauge & MESUR[®]gauge Plus Software

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MESURgauge by Mark-10

MARK-10

29.20 28.85 28.65 27.70 27.25 26.60 26.20 25.50 24.95 21.05 18.10 6.55 4.25 1.30 0.75 0.25 0.15 0.25

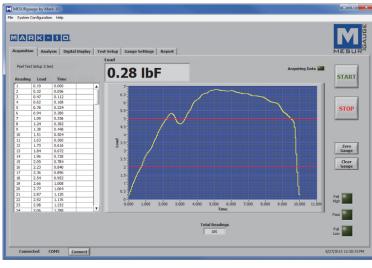
Save

Export to Excel COM6 Connect

4.360 4.380 4.420 4.440 4.480 4.500 4.540 4.560 4.600 16.960 17.040 17.220 17.280 17.460 17.540 17.720 17.800 17.980

4.620 4.661 4.680 4.720 4.740 4.782 4.800 4.840 4.840 4.840 4.840 4.900 4.920 4.920

P 16-



Start and stop data collection, and view real time data in graphical and tabular formats.

With MESUR®gauge Plus, the START button also initiates the motion of an ESM303, ESM303H, or ESM1500 motorized test stand*, consolidating complete test control into just one click.

Configure test start and stop conditions.

With MESUR® gauge Plus, set the initial test stand crosshead direction upon starting the test.

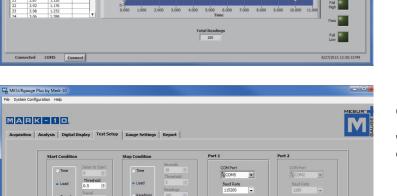
Sophisticated analysis tools include an x-y cursor, statistical calculations with automatic re-calculation for a customizable data range, export to Excel, and more.

High and low limit indicators help differentiate between an acceptable sample and a reject.



* Minimum supported firmware versions: ESM303: 2.02.04 front / 2.02.04 main. ESM1500: 2.02.02 front / 2.02.01 main. Firmware update may be done at the factory.





Save as Default Recall

Load Unit Travel Uni

8.000

Apply

Test Setup File Na Peel Test.test

Total Rea 178

10.000 12.000 14.000 16.000

Maximum 18.72

Area Und Curve 2625 Average 14.83

Variance

Calculate

Refresh Graph



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MESUR[®]gauge & MESUR[®]gauge Plus Software

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MESEguese by Mark 10 Fe Synthe Configuration Heb Requestion Analysis Populationality Test Schape Report Load Counced Config Counced Counced Config Counced Counced Config Counced Counced Config Counced Processing Report Procesing Rep

View real time load and travel readings on an enlarged simulated instrument display.

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Carrent Note Field Time Dudy's Aug. Time, Time Study's Aug. Time, Time, Tim	Anto Shubert) Hon. Addo Travent (2) DeadingLifec. (2) DeadingLifec. (3) DeadingLifec. (4) DeadingLifec. (4) DeadingLifec. (5) DeadingLife	Averaging in a set of the set of	bet Pauch (kP) (*) Setter Darke holt Setsons (*) (*) Ende holt Setsons (*) (*) Ende holt Setsons (*) (*) Ende holt Setsons (*) Ende holt Setsons (*) With Pularity (*) (*) Mahara Outputs With Pularity (*) (*) Mahara Outputs Mahara Outputs Dashed (*) (*) (*) Save	Fibr - Carred Fibr - South Fibr - South

Mark-10 gauge / indicator settings can be configured through a simple interface.



MESUR[®]gauge & MESUR[®]gauge Plus Software

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MESURgauge by Mark-10	
File System Configuration Help	
Acquisition Analysis Digital Display Test Setup Gauge Settings Report	
Andrianoni Anjakaza nalingi nasingka nasing ngang secratis nasing	MESOR
Report Title Right Header	
Test Report Example Date Time	
Initial Text	
Include any initial text or comments here.	1
Indude	
Statestos Greph Table Grid V V V V	
Additional Text	
Include any additional text or comments here.	Ĵ.
Conclusion Text	
Include any additional text or comments here.	
Left Footer Text Right Footer Text Operator Name Company Name	-
Save Template Save Template Recall Template	
Select Printer Adde PDF V Print Save UV4rk-10 Software/PESI.Rgsage/Peports	
Connected COM6 Connect	9/1/2015 11:44:35 AM

A typical report, containing customizable information fields, statistics, graph, raw data, and date and time.

Ordering Information

Part No.	Description	
15-1004	MESUR [®] gauge software	
15-1004 -5	MESUR®gauge software, 5 licenses	
15-1005	MESUR [®] gauge Plus software	
15-1005-5	MESUR®gauge Plus software, 5 licenses	
15-1006	Upgrade, MESUR®gauge to MESUR®gauge Plus*	

* Minimum required test stand controller firmware versions: ESM303 / ESM303H: Front: 2.02.04, Main: 2.02.04 ESM1500: Front: 2.02.02, Main: 2.02.02

Firmware versions are displayed at power-up. Firmware update may be done at our factory at no charge. Contact Mark-10 for details.



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Easily customize reports and report templates.

Tuesday, September 01, 2015 12:49:53 PM

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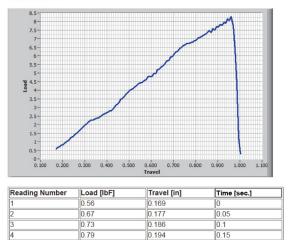
Wire Crimp Pull Test

Pull test performed at 4 in/min, utilizing an ESM303 test stand with M5-50 force gauge, G1001 upper grip, and G1002 lower grip.

Load Unit: IbF

X-Axis: Travel Travel Unit: in

Statistics Reading Number, Low: 1 Reading Number, High: 101 Maximum: 8,2900 Minimum: 0.3100 Average: 4,4940 Area Under Curve: 449,3960 Standart Deviation: 2,3503 Standard Deviation: 2.3503 Variance: 5.5237



0.203

0.211

Hardware Requirements

0.86 0.95

- Windows XP or later operating system
- Minimum display resolution of 1108 x 758
- One or more USB or RS-232 ports