



MARK-10 5I Force Torque Indicator User Guide

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MARK-10 5I Force Torque Indicator



Mark-10 Products

Mark-10 Corporation offers a full line of force and torque measurement products and related items, including force gauges, torque gauges, force and torque test stands, sensors, grips, software, and more.



Model 51 Advanced Force/Torque Indicator

The Model 51 Advanced Force/Torque Indicator is a device used for force and torque measurement. It comes with

a carrying case, AC adapter with US, EU, UK, or AUS prong, rechargeable NiMH battery, certificate of calibration, and USB cable (type micro B to A).

Important Safety Considerations

Force and torque measuring instruments are sensitive and must be treated with care. Please review the safety information provided in the User's Guide prior to operating the indicator.

Overview

To power on the indicator, press the button. Press and hold to power off. The indicator may be powered either by the internal rechargeable battery or an AC adapter/charger. The battery will last approximately 7 hours with the backlight turned on, and 24 hours with the backlight turned off before recharging is necessary.

Literature & Software Downloads

Download user's guides (PDF) for all Mark-10 instruments at www.mark-10.com/downloads. Locate the user's guide for this product and read it thoroughly before use. Mark-10 also offers a USB driver for their instruments and the model RSU100 RS-232 to USB converter. Required for communication with a PC. Follow the installation instructions provided in the user's guide. Mark-10 offers three data collection applications that are compatible with PCs running Microsoft Windows 7 or later. Minimum monitor resolution is 1108 x 758. A USB or RS-232C serial port is required. If USB communication is required, install the Mark-10 USB driver.

1. User's guides (PDF)

Provided for all Mark-10 instruments. Locate the user's guide for this product and read it thoroughly before use.

2. USB driver

For Mark-10 instruments and the model RSU100 RS-232 to USB converter. Required for communication with a PC. Follow the installation instructions provided in the user's guide.

3. MESUR® family of software – see below.

Product Usage

1. Review the safety information provided in the User's Guide prior to operating the indicator.
2. Power on the indicator by pressing the button.
3. The indicator may be powered by the internal rechargeable battery or an AC adapter/charger.
4. The battery will last approximately 7 hours with the backlight turned on, and 24 hours with the backlight turned off before recharging is necessary.

Thank you!

Thank you for purchasing a Mark-10 M5I Advanced Force/Torque Indicator. We are confident that you will get many years of service from this product. The M5I is designed to work with a wide range of Mark-10 Plug & Test® remote smart force and torque sensor. Please read through this Quick Start Guide and the complete User's Guide before using the gauge.



LIST OF INCLUDED ITEMS

Qty.	Part No.				Description
	M5I	M5IE	M5IU	M5IA	
1	12-1049	12-1049	12-1049	12-1049	Carrying Case
1	AC1030	AC1031	AC1032	AC 1035	AC adapter w/US, EU, UK, or AUS prong
1	AC1118	AC1118	AC1118	AC1118	Rechargeable NiMH Battery (inside gauge)
1	-	-	-	-	Certificate of calibration
1	AC1111	AC1111	AC1111	AC1111	USB cable, type micro B to A

PRODUCT OVERVIEW

To power on the indicator, press the button. Press and hold to power off. The indicator may be powered either by the internal rechargeable battery or an AC adapter/charger. The battery will last approximately 7 hours with the backlight turned on, and 24 hours with the backlight turned off before recharging is necessary. The M5I indicator must be used with a Plug & Test® remote smart sensor. All configuration and calibration data is saved within the sensor's connector. Although the menu may be accessed if the sensor is not connected, changes will not be saved. Refer to the M5I User's Guide for further details.

INSTALLING MESUR® SOFTWARE

Mark-10 offers three data collection applications

MESUR® Lite

Free basic data acquisition application, for data tabulation and exporting to Excel. Compatible with gauges only, not test stands.

MESUR@gauge / MESUR@gauge Plus

Data tabulation, graphing, analysis, and reporting, with user-configurable start and stop triggers and other tools. Compatible with gauges and test stands for load vs. time or load vs. travel. MESUR@gauge Plus adds test stand motion control coordination. Both applications can be evaluated for 90 days.

PC requirements

Compatible with PCs running Microsoft Windows 7 or later. Minimum monitor resolution is 1108 x 758. A USB or RS-232C serial port is required. If USB communication is required, install the Mark-10 USB driver.

Force and torque measurement engineered better Mark-10 Corporation

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Documents / Resources



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5I Force Torque Indicator, 5I, Force Torque Indicator, Torque Indicator, Indicator

References

- [M Mark-10 Force and Torque Measurement](#)
- [M Resources | Mark-10 Force and Torque Measurement](#)

[Manuals+](#)