

## OTHER MARK-10 PRODUCTS

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.



**MARK-10**

Force and torque measurement engineered better

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# Model M31

FORCE / TORQUE INDICATOR

## Quick Start Guide

**MARK-10**

32-1213  
121119

## Thank you!



Thank you for purchasing a Mark-10 Model M3I Force/Torque Indicator. We are confident that you will get many years of service from this product.

The M3I 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.


## 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.

## LIST OF INCLUDED ITEMS:

Qty.	Part No.				Description
	M3I	M3IE	M3IU	M3IA	
1	12-1049	12-1049	12-1049	12-1049	Carrying case
1	AC1030	AC1031	AC1032	AC 1035	AC adapter/charger w/US, EU, UK, or AUS prong
1	08-1026	08-1026	08-1026	08-1026	Rechargeable NiMH battery (inside gauge)
1	-	-	-	-	Certificate of calibration
1	09-1165	09-1165	09-1165	09-1165	USB cable

## 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 M3I 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 M3I User's Guide for further details.

## LITERATURE & SOFTWARE DOWNLOADS

Download at: [www.mark-10.com/downloads](http://www.mark-10.com/downloads)

- User's guides** (PDF)  
Provided for all Mark-10 instruments. Locate the user's guide for this product and read it thoroughly before use.
- 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.
- MESUR® family of software** – see below.

## 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.