

Quick Start Guide



Thank you!

Thank you for purchasing a Mark-10 Series E Ergonomics Kit. Please read through this Quick Start Guide and the complete force gauge User's Guide before using this kit.

IMPORTANT SAFETY CONSIDERATIONS

Force gauges are sensitive instruments that must be treated with care. Please review the yellow safety information card included in the box, as well as the safety information provided in the User's Guide prior to operating the gauge.

LIST OF INCLUDED ITEMS:

Qty.	Part No.	Description	EKE (Advanced Kit)			EKE (Professional Kit)		
			-100-1	-200-1	-500-1	-100-2	-200-2	-500-2
1	ME-100	Ergonomics force gauge, 100 lbF	✓	-	-	✓	-	-
1	ME-200	Ergonomics force gauge, 200 lbF	-	✓	-	-	✓	-
1	ME-500	Ergonomics force gauge, 500 lbF	-	-	✓	-	-	✓
1	08-1022	AC adapter body with US, EU, UK, or AUS prong	✓					
1	08-1026	Battery (inside the gauge)	✓					
1	09-1165	USB cable	✓					
4	10-1023	Thumb screw, #6-32	✓					
1	E1002	Padded attachment, square	-			✓		
1	E1003	Padded attachment, rectangular	✓					
1	E1004	Padded attachment, curved	✓					
1	E1005	Padded attachment, circular	-			✓		
1	E1006	Snap Hook	✓					
1	E1007	Chain / hook assembly	-			✓		
1	E1008	Single handle grip	-			✓		
1	E1009	Double handle grip	✓					
1	E1010	Pistol grip	-			✓		
1	E1000	Carrying case, small	✓			-		
1	E1001	Carrying case, large	-			✓		

INSTALLING ACCESSORIES

Double and Single Handles



Attach the force gauge to the double handle grip (AC1003) or single handle grip (AC1003-1) by mating the male dowel pin in the cradle to the corresponding hole in the rear of the force gauge housing.


Then, fasten the gauge to the cradle with four included thumb screws (10-1023), as shown at left.

Attachments

Ergonomics attachments (E1002 - E1010) are mounted to the gauge's receptacle via the Click-Lock® mechanism. Line up the attachment with the receptacle and press until a click occurs. The attachment may be inserted in 90° or 180° orientations as shown below. To release the attachment, pull back on the lever in the rear of the housing, as shown below:



POWER

Press the  button to power on the gauge. Press and hold to power off. The gauge is 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.

INSTALLING MESUR® SOFTWARE

MESUR® Lite

Free basic data acquisition application, for data tabulation and exporting to Excel.

MESUR®gauge

Data tabulation, graphing, analysis, and reporting, with user-configurable start and stop triggers and other tools. Compatible with all Mark-10 instruments. Free 90-day evaluation.

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.

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.



Quick Start Guide

Thank you!



Thank you for purchasing a Mark-10 Series E Digital Force Gauge and accessories. We are confident that you will get many years of service from this product. Series E gauges may be used in a variety of push and pull testing application. Please read through this Quick Start Guide and the complete User's Guide before using the gauge.

IMPORTANT SAFETY CONSIDERATIONS

Force gauges are sensitive instruments that must be treated with care. Please review the yellow safety information card included in the box, as well as the safety information in the User's Guide prior to operating the gauge.

LIST OF INCLUDED ITEMS:


Qty.	Part No.	Description
1	12-1049	Carrying case
1	AC1030 / AC1031 / AC1032 / AC1035	AC adapter w/US, EU, UK, or AUS prong
1	08-1026	Rechargeable NiMH battery (inside gauge)
1	-	Certificate of calibration
1	09-1165	USB cable

OPTIONAL ITEMS:

A number of attachments are available, as pictured below. They may be purchased individually or as kits.



POWER

Press the  button to power on the gauge. Press and hold to power off. The gauge 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.

INSTALLING ATTACHMENTS



Attachments are mounted to the gauge's receptacle via the Click-Lock™ mechanism. Line up the attachment with the receptacle, and press in until a click occurs. The attachment may be inserted in 90- or 180-degree orientations. To release the attachment, pull back on the lever in the rear of the housing, as shown at left.

LITERATURE & SOFTWARE DOWNLOADS

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.

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.