



MARK-10 EK3 Series Myometer Kit Instruction Manual

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MARK-10 EK3 Series Myometer Kit



Product Information

Specifications

- Compatible with PCs running Microsoft Windows 7 or later
- Minimum monitor resolution of 1108 x 758
- Requires a USB or RS-232C serial port

Mounting to a Table

1. Attach the M5-200 force gauge to the tabletop mounting kit using the four supplied thumb screws.
2. Slide the mounting kit to a table.
3. Tighten the knob sufficiently to withstand up to 200 lbF / 1,000 N of force.

Force Gauge Installation

To install the force gauge, follow these steps:

1. Fasten the snap hook to the load cell shaft of the force gauge.
2. Attach the strap.

PC Requirements

To use the product with a PC, ensure that your PC meets the following requirements:

- Microsoft Windows 7 or later
- Minimum monitor resolution of 1108 x 758
- A USB or RS-232C serial port

If USB communication is required, you need to install the Mark-10 USB driver.

User's Guides and Resources

For detailed user's guides and additional resources, please visit the following links:

- [Series 3 Force Gauges User's Guide](#)
- [Series 5 Force Gauges User's Guide](#)
- [Series E Force Gauges User's Guide](#)
- [Download user's guides, data sheets, software, solid models, and more](#)

Contact Information

- For further assistance or inquiries, please contact
 - Mark-10
 - 11 Dixon Avenue, Copiague, NY 11726
 - **Tel:** 631-842-9200
 - **Email:** info@mark-10.com

FAQ

1. Q: How long does the battery last?

A: The battery will last approximately 7 hours with the backlight turned on and 24 hours with the backlight turned off before recharging is necessary.

2. Q: What is included in the Series EK3 kit?

A: The Series EK3 kit includes the following items:

- M3-100 Force gauge, 100 lbF / 50 kgF / 500 N
- M3-200 Force gauge, 200 lbF / 100 kgF / 1000 N
- M3-500 Force gauge, 500 lbF / 250 kgF / 2500 N
- AC adapter with US, EU, UK, or AUS prong
- Battery (inside the gauge)
- USB cable, type micro B to A
- Thumb screw, #6-32 x 1/2 (4 pieces)
- Hex jam nut, #10-32
- Hex jam nut, 5/16-18
- Double-handle grip
- Single-handle grip
- **Padded attachments:** square, rectangular, curved, circular
- **Flat attachments:** #10-32F, 5/16-18F
- Carrying case, large

3. Q: What is included in the Series EKE kit?

A: The Series EKE kit includes the following items

- ME-100 Ergonomics force gauge, 100 lbF
- ME-200 Ergonomics force gauge, 200 lbF
- ME-500 Ergonomics force gauge, 500 lbF

- AC adapter with US, EU, UK, or AUS prong
- Battery (inside the gauge)
- USB cable, type micro B to A
- Thumb screw, #6-32 (4 pieces)
- **Padded attachments:** square, rectangular, curved

Ergonomics / Strength Assessment Kits

- Series EK3 / Series EKE / Series EKM5



• Thank you!

Thank you for purchasing a Mark-10 ergonomics / strength assessment kit. Please read through this quick start guide and the complete force gauge user's guide before use.

• 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.

• 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.

• INCLUDED ITEMS – SERIES EK3

Qty.	Part No.	Description	EK3-100	EK3-200	EK3-500
1	M3-100	Force gauge, 100 lbF / 50 kgF / 500 N	✓	-	-
1	M3-200	Force gauge, 200 lbF / 100 kgF / 1000 N	-	✓	-
1	M3-500	Force gauge, 500 lbF / 250 kgF / 2500 N	-	-	✓
1	AC1030 / AC1031 / AC1032 / AC1035	AC adapter with US, EU, UK, or AUS prong	✓		
1	AC1118	Battery (inside the gauge)	✓		
1	AC1111	USB cable, type micro B to A	✓		
4	10-1023	Thumb screw, #6-32 x 1/2	✓		
1	10-1021	Hex jam nut, #10-32	✓	-	
1	10-1108	Hex jam nut, 5/16-18	-	✓	
1	AC1003	Double-handle grip	✓		
1	AC1003-1	Single-handle grip	✓		
1	G1019	Padded attachment, square	✓		
1	G1020	Padded attachment, rectangular	✓		
1	G1021	Padded attachment, curved	✓		
1	G1029	Flat attachment, #10-32F	✓	-	
1	G1036	Flat attachment, 5/16-18F	-	✓	
1	G1112	Padded attachment, circular	✓		
1	12-1032	Carrying case, large	✓		

INCLUDED ITEMS – SERIES EKE

Qty.	Part No.	Description	Advanced Kits			Professional Kits		
			-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	AC1030 / AC1031 / AC1032 / AC1035	AC adapter with US, EU, UK, or AUS prong	✓					
1	AC1118	Battery (inside the gauge)	✓					
1	AC1111	USB cable, type micro B to A	✓					
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	✓			-		
1	E1001	Carrying case, large	-			✓		

Qty.	Part No.	Description
1	M5-200	Force gauge, 200 lbF / 100 kgF / 1,000 N
4	10-1023	Thumb screw, #6-32 x 1/2
1	—	Tabletop mounting kit for force gauge
1	—	Adjustable length looped strap
1	G1107	Snap hook
1	AC1030 / AC1031 / A C1032 / AC1035	AC adapter with US, EU, UK, or AUS prong
1	AC1111	USB cable, type micro B to A
1	12-1032	Carrying case
1	—	Certificate of calibration

INSTALLING ACCESSORIES

SERIES EK3

Double- and Single-Handle Grips

- 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).

Attachments

- Attachments G1019, G1020, G1021, G1029, G1036, and G1112 thread onto the load cell shaft of the Series 3 force gauge. Fasten the attachment onto the shaft, as shown at left. Do not overtighten the attachment, or load cell damage can occur!
- The attachments may freely rotate on the shaft, thereby self-adjusting to the shape of an object.



However, if a fixe position is desired, use an included jam nut, as follows:

1. Rotate the jam nut as high as possible up the load cell shaft.
2. Rotate the attachment up to the jam nut, then back off until the desired position. Tighten the nut against the attachment. Friction between the nut and attachment body will prevent the attachment from loosening, as shown at left.

INSTALLING ACCESSORIES SERIES EKE

SERIES EKE

Double- and Single-Handle Grips

- Attach the force gauge to the double-handle grip (E1009) or single-handle grip (E1008) 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).



Attachments

- Ergonomics attachments mount 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 the attachment, pull back on the release tab in the rear of the housing, as shown below:



Mounting to a table

- Attach the M5-200 force gauge to the tabletop mounting kit using the four supplied thumb screws. Then, slide the mounting kit to a table and tighten the knob sufficiently to withstand up to 200 lbF / 1,000 N of force.
- Fasten the snap hook to the load cell shaft of the force gauge, then attach the strap.



INSTALLING MESUR® SOFTWARE MESUR® Lite

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

MESUR@gauge

- Data tabulation, graphing, analysis, and reporting, with user-configurable start and stop triggers and other tools. Free 90-day evaluation period.

PC requirements

- Compatible with PCs running Microsoft Windows 7 or later, with minimum monitor resolution of 1108 x 758. A USB or RS-232C serial port is required. If USB communication is required, install the Mark-10 USB driver.
- Installation instructions may be found in the applications' user's guide. A download link is provided below.

USER'S GUIDES LINKS

- Series 3 force gauges
 - mark-10.com/manualm3
- Series E force gauges
 - mark-10.com/manualme



- Series 5 force gauges
 - mark-10.com/manualm5
- Download user's guides, data sheets, software, solid models, and more.
 - mark-10.com/resources





[MARK-10 EK3 Series Myometer Kit](#) [pdf] Instruction Manual
Series EK3, Series EKE, Series EKM5, EK3 Series Myometer Kit, EK3 Series, Myometer Kit, Kit

References

- [M mark-10.com/manualm3](https://mark-10.com/manualm3)
- [M mark-10.com/manualm5](https://mark-10.com/manualm5)
- [M mark-10.com/manualme](https://mark-10.com/manualme)
- [M Resources | Mark-10 Force and Torque Measurement](#)
- [User Manual](#)