



Series E push / pull force gauges make job task analysis and ergonomics analysis simple and accurate, ideal for workplace design, strength assessment, and ergonomic studies. Series E presents the ergonomist and other professionals with a simple and economical testing solution. 100 lbF, 200 lbF and 500 lbF (500, 2,500, and 5,000 N) capacity force gauges are available, along with a wide range of attachments for various applications.

Select a pre-configured kit, including a gauge, accessories, and carrying case, or select each item individually to suit particular needs.

Features & Specifications

- Measure real time and peak push and pull forces
- Three measuring ranges: 100, 200, and 500 lbF (500, 1000, and 2,500 N)
- Accuracy: $\pm 0.2\%$ of full scale
- Sampling rate: 7,000 Hz
- USB data output
- High / low limit indicators, for pass / fail and minimum force testing
- Averaging mode calculates average force over a period of time
- 5,000-point data memory - data points may be saved individually or logged continuously at up to 7,000 Hz. Data points may be bulk downloaded to included MESUR™ Lite data collection software.
- Statistical calculations for saved data points
- Includes an AC adapter/charger, rechargeable battery, MESUR™ Lite software, MESUR™ gauge 90-day trial, USB cable, USB driver, carrying case, and NIST-traceable certificate of calibration with data



Attachments click and lock into place via innovative Click-Lock™ technology, a rugged anti-rotation locking mechanism. The attachments may be clicked into 90° or 180° orientations. No fastening is required, as with conventional force gauges, reducing the risk of damage to the instrument.



Capacities & Resolutions

| Model | lbF | ozF | kgF | gF | N | kN |
|--------|------------|----------|------------|------------|------------|--------------|
| ME-100 | 100 x 0.05 | 1600 x 1 | 50 x 0.02 | 50000 x 20 | 500 x 0.2 | - |
| ME-200 | 200 x 0.05 | 3200 x 1 | 100 x 0.02 | - | 1000 x 0.2 | 1 x 0.0002 |
| ME-500 | 500 x 0.1 | 8000 x 2 | 250 x 0.05 | - | 2500 x 0.5 | 2.5 x 0.0005 |

Force gauges include 110V AC adapters. Add suffix 'E' for Euro plug, 'U' for UK plug, or 'A' for Australian plug.

Ex: ME-100E, ME-200U, ME-500A

Select individual accessories or pre-configured kits



Accessories

Rectangular Pad E1003



- Pad dimensions:
4.0 x 1.0 x 0.5 in.
[102 x 25 x 13 mm]

Curved Pad E1004



- Pad dimensions:
1.0 in. [25 mm] deep
3.2 in. [81 mm] radius
0.5 in. [13 mm] thick

Square Pad E1002



- Pad dimensions:
1.0 x 1.0 x 0.5 in.
[25 x 25 x 13 mm]

Circular Pad E1005



- Pad dimensions:
3.0 in. [76 mm] dia.,
0.5 in. [13 mm] thick

Clasp Hook E1006



- Snap clasp, for added safety
- Swiveling action ensures proper alignment

Chain / Hook Assembly E1007



- Includes E1006 hook and chain
- Chain length: 5 ft (1.5 m)

Single Handle Grip E1008



- Ergonomic rubber-padded handle for a secure grip
- Attaches to force gauge via included thumb screws

Double Handle Grip E1009



- Ergonomic rubber-padded handles, for a secure grip
- Attaches to force gauge via included thumb screws

Pistol Grip E1010



- Ergonomic design for a secure grip
- Attaches to force gauge via included thumb screws



Standard Grip Adapter E1011



- Adapts other Mark-10 grips via 5/16-18F thread
- Includes male/male stud with jam nuts

Looped Cable E1012

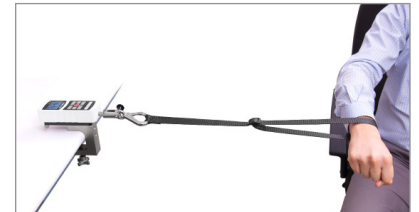


- Braided stainless steel
- 43 in. [1,092 mm] length

Myometer Accessory E1013



- Includes tabletop mounting kit for force gauge, strap, and mounting screws. Hook not included.



Small Carrying Case E1000



- Shown populated with optional accessories.
- The following page lists the components compatible with each carrying case.

Large Carrying Case E1001



- Shown populated with optional accessories.
- The following page lists the components compatible with each carrying case.

Series EKE Kits - Included Items



| Model No. | Description | Advanced Kits ¹ EKE-100-1 / EKE-200-1 / EKE-500-1 | Professional Kits ¹ EKE-100-2 / EKE-200-2 / EKE-500-2 |
|----------------------------|--|---|---|
| ME-100 ME-200 ME-500 | Force gauge, 100 lbF / 500 N Force gauge, 200 lbF / 1,000 N Force gauge, 500 lbF / 2,500 N | ✓ | ✓ |
| E1002 | Padded attachment, square | X | ✓ |
| E1003 | Padded attachment, rectangular | ✓ | ✓ |
| E1004 | Padded attachment, curved | ✓ | ✓ |
| E1005 | Padded attachment, circular | X | ✓ |
| E1006 | Clasp hook | ✓ | ✓ |
| E1007 | Chain / clasp hook assembly | X | ✓ |
| E1008 | Single handle grip | X | ✓ |
| E1009 | Double handle grip | ✓ | ✓ |
| E1010 | Pistol grip | X | ✓ |
| E1011 | Grip adapter | X | X |
| E1012 | Looped cable ² | X | X |
| E1013 | Myometer accessory ² | X | X |
| E1000 | Carrying case, small | ✓ | X |
| E1001 | Carrying case, large | X | ✓ |

1. Kits include a force gauge with 110V AC adapter. Add suffix 'E' for Euro plug, 'U' for UK plug, or 'A' for Australian plug. Ex: EKE-100-1E
 2. Does not fit into carrying case pockets.