



Series EKE ergonomics testing kits make job task analysis and musculoskeletal strength testing simple and accurate. The included Series E force gauges capture maximum compression and tension forces, as well as average force over time. The gauges also feature 5,000-point data memory, for individually saved readings or continuously captured streaming data. Password protection prevents tampering and accidental setting changes.

Two kit configurations are available - advanced and professional - addressing a wide range of needs and applications.

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 software 90-day trial, USB cable, USB driver, certificate of calibration with data, and accessories listed on the following pages



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 dynamometers, thereby reducing the risk of damage to the instrument



Series EKE-1 Advanced Kits




Series EKE-2 Professional Kits



Capacities & Resolutions

Kit Model No.	lbF	ozF	kgF	gF	N	kN
EKE-100-1 / EKE-100-2	100 x 0.02	1600 x 0.5	50 x 0.01	50000 x 10	500 x 0.1	-
EKE-200-1 / EKE-200-2	200 x 0.05	3200 x 1	100 x 0.02	-	1000 x 0.2	1 x 0.0002
EKE-500-1 / EKE-500-2	500 x 0.1	8000 x 2	250 x 0.05	-	2500 x 0.5	2.5 x 0.0005

Included Items



Model No.	Description	Advanced Kit* EKE-100-1 / EKE-200-1 / EKE-500-1	Professional Kit* 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		✓
E1003	Padded attachment, rectangular	✓	✓
E1004	Padded attachment, curved	✓	✓
E1005	Padded attachment, circular		✓
E1006	Clasp hook	✓	✓
E1007	Chain / clasp hook assembly		✓
E1008	Single handle grip		✓
E1009	Double handle grip	✓	✓
E1010	Pistol grip		✓
E1011	Grip adapter		
E1000	Carrying case, small	✓	
E1001	Carrying case, large		✓

* Includes a 110V AC adapter. Add suffix 'E' for Euro plug, 'U' for UK plug, or 'A' for Australian plug.
Ex: EKE-100-1E, EKE-200-2U