

# Digital Force Gauges

## Compact, economical gauges for handheld or test stand applications

These digital force gauges are designed for tension- and compression-force testing applications. The gauges feature a sampling rate of 2000 Hz, producing accurate results under a wide range of test conditions. The easy-to-use menu-driven interface and backlit LCD with large characters make accessing the gauges' features and configurable parameters simple.

Gauges include MESUR™ Lite and MESUR™ gauge demo data acquisition software and a USB port for conveniently downloading data to a PC for further analysis and report tabulation. Units feature set point indicators for pass/fail testing and are housed in an ergonomic, reversible aluminum housing that allows for handheld or test-stand mounting applications. Gauges are directly compatible with Mark-10 manual and motorized test stands on pages 419 and 421.

- High-speed 2000 Hz peak sampling rate
- USB data output
- Backlit graphic display with large digits
- Live load bar graph with audio/visual overload alarms
- Programmable go/no-go limits, with audio/visual alarms
- Peak readings always shown on display
- Ergonomic, reversible housing for handheld or test-stand use



25311-20

SPECIFICATIONS	
Accuracy	±0.3% full-scale
Display	5-digit backlit LCD with graphic display
Sampling rate	2000 Hz
Overload	150% of capacity
Output	USB
Dimensions (W x H x D)	2½" x 4" x 1½" (64 x 102 x 38 mm)
Power	One 8.4 V rechargeable battery or AC adapter
Battery life	24 hours without backlight, 7 hours with backlight

What's included: MESUR Lite and MESURgauge demo software, USB cable with driver, hook, flat, v-groove, chisel, cone, extension rod, cushioned carrying case, one 8.4 V rechargeable battery, AC adapter, and a calibration document supplied by the manufacturer.

Catalog No.	Model No.	Capacity	Resolution
TS-25311-15	M3-012	0.12 lb / 50 g / 0.5 N	0.0001 lb / 0.05 g / 0.0005 N
TS-25311-16	M3-025	0.25 lb / 100 g / 1 N	0.0002 lb / 0.1 g / 0.001 N
TS-25311-17	M3-05	0.5 lb / 250 g / 2.5 N	0.0005 lb / 0.2 g / 0.002 N
TS-25311-18	M3-2	2 lb / 1 kg / 10 N	0.002 lb / 0.001 kg / 0.01 N
TS-25311-19	M3-5	5 lb / 2.5 kg / 25 N	0.005 lb / 0.002 kg / 0.02 N
TS-25311-20	M3-10	10 lb / 5 kg / 50 N	0.01 lb / 0.005 kg / 0.05 N
TS-25311-21	M3-20	20 lb / 10 kg / 100 N	0.02 lb / 0.01 kg / 0.1 N
TS-25311-22	M3-50	50 lb / 25 kg / 250 N	0.05 lb / 0.02 kg / 0.2 N
TS-25311-23	M3-100	100 lb / 50 kg / 500 N	0.1 lb / 0.05 kg / 0.5 N
TS-25311-24	M3-200	200 lb / 100 kg / 1000 N	0.2 lb / 0.1 kg / 1 N
TS-25311-25	M3-500	500 lb / 250 kg / 2500 N	0.5 lb / 0.2 kg / 2 N
Accessories			
TS-25314-07	15-1004	MESURgauge data collection software	
TS-17090-16	—	NIST-traceable recalibration with data for gauges up to 250 lb	
TS-17111-37	—	NIST-traceable recalibration with data for gauges up to 500 lb	