

# Mechanical Forces Gauges

## Series 137-FB

### Push / Pull Mechanical Force Gauge

- Simple, rugged, virtually maintenance free
- Retains a high degree of accuracy for extended periods
- Ergonomic, heavy-duty metal construction
- No batteries needed
- Intrinsically safe in hazardous environments
- Capacity up to 100 lbs. (push and pull)
- Overload capacity 165 lbs. on all ranges
- Tare ring
- Real time and peak mode
- Full set of accessories and carrying case included



The rugged construction of the FB/PS force gauges will withstand industrial environments and yet retain calibration for extended periods. Ergonomic design makes it ideal for hand held use, or it can be mounted to a test stand. The Zero-Tare ring allows you to zero the gauge to compensate for measuring attachments and changes in measuring position. The real time/peak hold selector switch allows you to observe transients or capture peaks. Many ranges are available to cover all of your measurement needs (also available in Newtons). [The FB series is sold in kits complete with force gauge, hard carrying case, five measuring attachments \(flat head, conical, chisel, notched, and small hook\) as well as a 3 inch extension shaft. PS resolution is 2 times greater than FB and the kit includes everything in the FB kit plus a large hook and Y-hook.](#)

**FB Ranges (Resolution) Accuracy: FB  $\pm 0.3\%$  F.S.**

Pounds		Kilograms		Newtons	
Model	Capacity (Resolution)	Model	Capacity (Resolution)	Model	Capacity (Resolution)
FB-32oz	32 oz (0.25 oz)	FB-1 kg	1 kg (10 g)	FB-10 N	10 N (0.1 N)
FB-2	2 lb. (0.02 lb.)	FB-2 kg	2 kg (20 g)	FB-20 N	20 N (0.2 N)
FB-5	5 lb. (0.05 lb.)	FB-3 kg	3 kg (25 g)	FB-30 N	30 N (0.25N)
FB-10	10 lb. (0.1 lb.)	FB-5 kg	5 kg (50 g)	FB-50 N	50 N (0.5 N)
FB-20	20 lb. (0.2 lb.)	FB-10 kg	10 kg (100 g)	FB-100 N	100 N (1 N)
FB-30	30 lb. (0.25 lb.)	FB-20 kg	20 kg (200 g)	FB-200 N	200 N (2 N)
FB-50	50 lb. (0.5 lb.)	FB-30 kg	30 kg (250 g)	FB-300 N	300 N (2.5 N)
FB-100	100 lb. (1 lb.)	FB-50 kg	50 kg (500 g)	FB-500 N	500 N (5 N)

## Series 137-PS

### Precise Mechanical Force Gauges

- Push/Pull
- Ergonomic, heavy-duty metal construction
- No batteries needed
- Intrinsically safe
- Capacity up to 100 lbs.
- Accuracy  $\pm 0.1\%$  F.S.
- Overload capacity 165 lbs. on all ranges
- Tare ring
- Real time and peak mode
- Full set of accessories and carrying case included



The PS series force gauges are the highest accuracy mechanical gauges available, making them ideal for precision tension and compression measurements in laboratory environments.

The PS series is sold in kits, complete with gauge, hard plastic carrying case, measuring attachments (flat head, cone, chisel, notched, small hook, large hook, and Y-hook), and extension rod. The ergonomic design is well suited for hand held testing, and the gauges have four threaded holes for mounting to a test stand, or the optional handle.

#### PS Ranges (Resolution) PS $\pm 0.1\%$ F.S.; MF $\pm 0.3\%$ F.S.

Pounds		Kilograms		Newtons	
Model	Capacity (Resolution)	Model	Capacity (Resolution)	Model	Capacity (Resolution)
PS-32 oz	32 oz (0.25 oz)	PS-1 kg	1 kg (5 g)	PS-10 N	10 N (0.05 N)
PS-2	2 lb. (0.01 lb.)	PS-2 kg	2 kg (10 g)	PS-20 N	20 N (0.1 N)
PS-5	5 lb. (0.025 lb.)	PS-3 kg	3 kg (20 g)	PS-30 N	30 N (0.2 N)
PS-10	10 lb. (0.05 lb.)	PS-5 kg	5 kg (25 g)	PS-50 N	50 N (0.25 N)
PS-20	20 lb. (0.1 lb.)	PS-10 kg	10 kg (50 g)	PS-100 N	100 N (0.5 N)
PS-30	30 lb. (0.2 lb.)	PS-20 kg	20 kg (100 g)	PS-200 N	200 N (1 N)
PS-50	50 lb. (0.25 lb.)	PS-30 kg	30 kg (200 g)	PS-300 N	300 N (2 N)
PS-100	100 lb. (0.5 lb.)	PS-50 kg	50 kg (250 g)	PS-500 N	500 N (2.5 N)