

Push / Pull Mechanical Force Gauge – Series FB

- 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 150 lbf (push and pull)
- Overload capacity 165 lbf on all ranges
- Tare ring
- Real time and peak mode
- Full set of accessories and carrying case included

PRICING
DELIVERY
SUPPORT



[Dimensions](#) | [Special Attachments](#)

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. An optional handle to facilitate the measurement of heavy loads is also available.



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

Pounds	
Model	Capacity (Resolution)
FB-32oz	32 ozf (0.25 ozf)
FB-80oz	80 ozf (1 ozf)
FB-2	2 lbf (0.02 lbf)
FB-5	5 lbf (0.05 lbf)
FB-10	10 lbf (0.1 lbf)
FB-20	20 lbf (0.2 lbf)
FB-30	30 lbf (0.25 lbf)
FB-50	50 lbf (0.5 lbf)
FB-100	100 lbf (1 lbf)

Kilograms	
Model	Capacity (Resolution)
FB-1 kg	1 kgf (10 gf)
FB-2 kg	2 kgf (20 gf)
FB-3 kg	3 kgf (25 gf)
FB-5 kg	5 kgf (50 gf)
FB-10 kg	10 kgf (100 gf)
FB-20 kg	20 kgf (200 gf)
FB-30 kg	30 kgf (250 gf)
FB-50 kg	50 kgf (500 gf)

Newtons	
Model	Capacity (Resolution)
FB-10 N	10 N (0.1 N)
FB-20 N	20 N (0.2 N)
FB-30 N	30 N (0.25N)
FB-50 N	50 N (0.5 N)
FB-100 N	100 N (1 N)
FB-200 N	200 N (2 N)
FB-300 N	300 N (2.5 N)
FB-500 N	500 N (5 N)

Accuracy: $\pm 0.5\%$ F.S.

Pounds	
Model	Capacity (Resolution)
FB-150	150 lbf (1 lbf)

For capacities over 150 lbf use [ESH series](#)

Precise Mechanical Force Gauges

Series PS



- Push/Pull
- Ergonomic, heavy-duty metal construction
- No batteries needed
- Intrinsically safe
- Capacity up to 100 lbf.
- Accuracy $\pm 0.2\%$ F.S.
- Overload capacity 165 lbf 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 $\pm 0.2\%$ F.S.; MF $\pm 0.3\%$ F.S.

Pounds	
Model	Capacity (Resolution)
PS-32 oz	32 ozf (0.25 ozf)
PS-80oz	80 ozf (1 ozf)
PS-2	2 lbf (0.01 lbf)
PS-5	5 lbf (0.025 lbf)
PS-10	10 lbf (0.05 lbf)
PS-20	20 lbf (0.1 lbf)
PS-30	30 lbf (0.2 lbf)
PS-50	50 lbf (0.25 lbf)
PS-100	100 lbf (0.5 lbf)

Kilograms	
Model	Capacity (Resolution)
PS-0.5 kg	500 gf (2.5 gf)
PS-1 kg	1 kgf (5 gf)
PS-2 kg	2 kgf (10 gf)
PS-3 kg	3 kgf (20 gf)
PS-5 kg	5 kgf (25 gf)
PS-10 kg	10 kgf (50 gf)
PS-20 kg	20 kgf (100 gf)
PS-30 kg	30 kgf (200 gf)
PS-50 kg	50 kgf (250 gf)

Newtons	
Model	Capacity (Resolution)
PS-10 N	10 N (0.05 N)
PS-20 N	20 N (0.1 N)
PS-30 N	30 N (0.2 N)
PS-50 N	50 N (0.25 N)
PS-100 N	100 N (0.5 N)
PS-200 N	200 N (1 N)
PS-300 N	300 N (2 N)
PS-500 N	500 N (2.5 N)