

High Capacity Mechanical Force Gauge

Series ESH / PSH



M10p1.5 Threaded measuring shaft
(top and bottom)

- Simple, rugged, virtually maintenance free
- High degree of accuracy
- Capacities up to 500 lbf (push and pull)
- No batteries needed
- Intrinsically safe in hazardous environments
- Rugged design for heavy usage
- Heavy duty metal construction
- Tare ring
- Real time and peak mode
- Full set of accessories and carrying case included

**PRICING
DELIVERY
SUPPORT**

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

The ESH/PSH series mechanical force gauge is designed for high capacity measurements from 200 lbf up to 500 lbf (300 kg). The rugged metal housing and heavy duty springs will withstand the harsh rugged environment of a manufacturing plant, yet the highly accurate, matched springs will ensure reliable results and retain their accuracy over long periods. The tare ring allows you to zero the gauge and compensate for measuring attachments and changes in measuring position. The real time/peak hold selector switch enables you to observe transients or capture peaks. ESH/PSH force gauges are available in pounds, kilograms and Newtons. No batteries are needed and the unit is intrinsically safe in hazardous environments.

Sold in kit form complete with force gauge, hard plastic carrying case, handles, measuring attachments (ESH includes hook and flat head - PSH includes flat head, conical, chisel, notched, and small hook), and extension shaft. Four installation bolts are also included for mounting the gauge to a test stand or other permanent location.

Other attachments for a variety of special applications are available. Click on the link below to see our complete catalog of attachments.

ESH Ranges (Resolution) Accuracy: $\pm 0.5\%$ F.S.

Pounds	
Model	Capacity (Resolution)
ESH-200	200 lbf (2 lbf)
ESH-300	300 lbf (2.5 lbf)
ESH-400	400 lbf (4 lbf)
ESH-500	500 lbf (5 lbf)

Kilograms	
Model	Capacity (Resolution)
ESH-50 kgf	50 kgf (0.5 kgf)
ESH-100 kgf	100 kgf (1 kgf)
ESH-200 kgf	200 kgf (2 kgf)
ESH-300 kgf	300 kgf (2.5 kgf)

Newtons	
Model	Capacity (Resolution)
ESH-1000 N	1000 N (10 N)
ESH-2000 N	2000 N (20 N)
ESH-3000 N	3000 N (25 N)

For capacities under 220 lbf use **FB series**



ESH Kit

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

Pounds	
Model	Capacity (Resolution)
PSH-200	200 lbf (1 lbf)
PSH-300	300 lbf (2 lbf)
PSH-400	400 lbf (2 lbf)
PSH-500	500 lbf (2.5 lbf)

Kilograms	
Model	Capacity (Resolution)
PSH-50 kgf	50 kgf (0.25 kgf)
PSH-100 kgf	100 kgf (0.5 kgf)
PSH-200 kgf	200 kgf (1 kgf)
PSH-300 kgf	300 kgf (2 kgf)

Newtons	
Model	Capacity (Resolution)
PSH-1000 N	1000 N (5 N)
PSH-2000 N	2000 N (10 N)
PSH-3000 N	3000 N (20 N)

For capacities under 220 lbf use **PS series**