

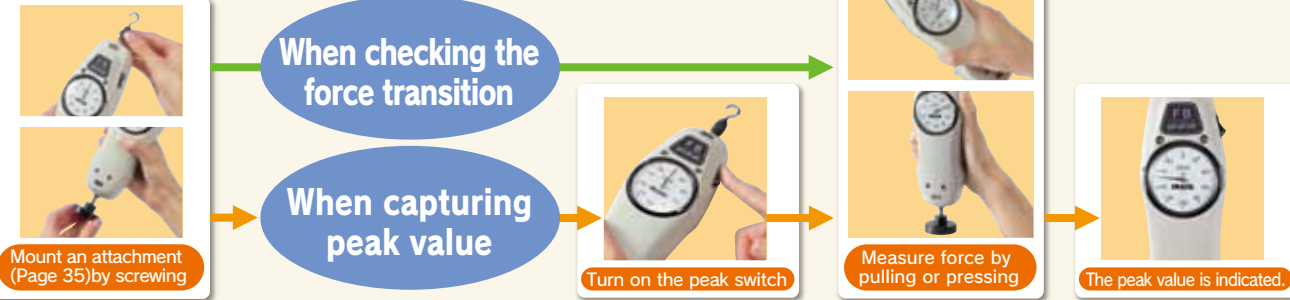
Mechanical Force Gauges

Analog type force gauges. It is easy to read force transition.
Electricity is not needed. They are stout and long-lasting.

How to Use Mechanical Force Gauges (Using Example Model: FB series)

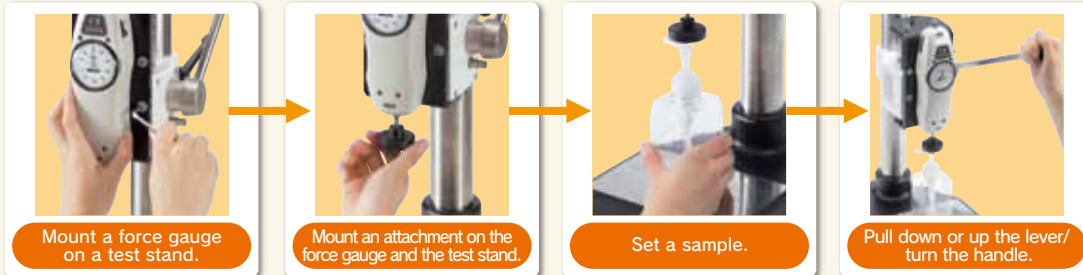
Simple Method

You can readily measure force by hand.



Reproducible Method

You can combine a test stand(P28) with a force gauge to improve repeatability.



The Features of Mechanical Force Gauges

Strong Points

- Stable force can be applied due to the 10mm stroke thread.
- Their mechanical structures reduce malfunctions or glitches caused by external circumstances such as noise or static electricity.

Weak Point

- It is not suitable for shock tests such as breaking tests.

Economical Type FB series

The Most Simple Model

Compression and Tension Compatible

Size: Approx. W67×D48×H232.5mm
Weight: Approx. 630g



Improve Measuring Repeatability

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Apply Stable Force by Hand

Handle FOH-1 ————— To Page 43

Specifications

Accuracy	±0.3%F.S. or less
Division	100lines(※1)
Reading method	Real time/Peak hold(Switchable)
Standard accessories	Attachment 6pcs(※3)-the instruction manual-the carry case-Inspection certificate etc.

Model lists

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

International model lists(※2)

Model	Capacity	Resolution	Thread
FS-1K	1kgf	10gf	
FS-2K	2kgf	20gf	
FS-3K	3kgf	25gf	
FB-5K	5kgf	50gf	
FB-10K	10kgf	100gf	
FB-20K	20kgf	200gf	
FB-30K	30kgf	250gf	
FB-50K	50kgf	500gf	
FB-5lb	5lbf	0.05lbf	
FB-10lb	10lbf	0.1lbf	
FB-20lb	20lbf	0.2lbf	
FB-30lb	30lbf	0.25lbf	
FB-50lb	50lbf	0.5lbf	
FB-100lb	100lbf	1lbf	

Standard Type

PS series

High Accuracy Model

Compression and Tension Compatible

Size: Approx. W67×D48×H232.5mm
Weight: Approx. 630g



Improve Measuring Repeatability

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Apply Stable Force by Hand

Handle FOH-1 — To Page 43

Specifications

Accuracy	±0.1%F.S. or less
Division	100lines(※1)
Reading method	Real time/Peak hold (Switchable)
Standard accessories	Attachment 6pcs(※3)-the instruction manual-the carry case-Inspection certificate etc.

Model lists

Model	Capacity	Resolution	Thread
PS-5N	5N	0.05N	
PS-10N	10N	0.1N	
PS-20N	20N	0.2N	
PS-30N	30N	0.25N	
PS-50N	50N	0.5N	
PS-100N	100N	1N	
PS-200N	200N	2N	
PS-300N	300N	2.5N	
PS-500N	500N	5N	

International model lists(※2)

Model	Capacity	Resolution	Thread
PSS-0.5K	500gf	5gf	
PSS-1K	1kgf	10gf	
PSS-2K	2kgf	20gf	
PSS-3K	3kgf	25gf	
PS-5K	5kgf	50gf	
PS-10K	10kgf	100gf	
PS-20K	20kgf	200gf	
PS-30K	30kgf	250gf	
PS-50K	50kgf	500gf	
PS-5lb	5lbf	0.05lbf	
PS-10lb	10lbf	0.1lbf	
PS-20lb	20lbf	0.2lbf	
PS-30lb	30lbf	0.25lbf	
PS-50lb	50lbf	0.5lbf	
PS-100lb	100lbf	1lbf	

Precision Type

PSM series

The Highest Accuracy Model with The Small Divisions

Compression and Tension Compatible

Size: Approx. W67×D48×H232.5mm
Weight: Approx. 630g



Improve Measuring Repeatability

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Apply Stable Force by Hand

Handle FOH-1 — To Page 43

Specifications

Accuracy	±0.1%F.S. or less
Division	200lines(※1)
Reading method	Real time/Peak hold(Switchable)
Standard accessories	Attachment 6pcs(※3)-the instruction manual-the carry case-Inspection certificate etc.

Model lists

Model	Capacity	Resolution	Thread
PSM-20N	20N	0.1N	
PSM-30N	30N	0.2N	
PSM-50N	50N	0.25N	
PSM-100N	100N	0.5N	
PSM-200N	200N	1N	
PSM-300N	300N	2N	
PSM-500N	500N	2.5N	

International model lists(※2)

Model	Capacity	Resolution	Thread
PSM-2K	2kgf	10gf	
PSM-3K	3kgf	20gf	
PSM-5K	5kgf	25gf	
PSM-10K	10kgf	50gf	
PSM-20K	20kgf	100gf	
PSM-30K	30kgf	200gf	
PSM-50K	50kgf	250gf	

High Capacity Type

PSH series

High Capacity Model in capacity from 500N to 3000N

Compression and Tension Compatible

Size: Approx. 95×D63.4×290mm
Weight: Approx. 3.1kg



Improve Measuring Repeatability

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Specifications

Accuracy	±0.1%F.S. or less
Division	100lines(※1)
Reading method	Real time/Peak hold(Switchable)
Standard accessories	Attachment 6 pcs(※3)-the instruction manual-the carry case-Inspection certificate etc.

Model lists

Model	Capacity	Resolution	Thread
PSH-500N	500N	5N	
PSH-1000N	1000N	10N	
PSH-2000N	2000N	20N	
PSH-3000N	3000N	25N	

International model lists(※2)

Model	Capacity	Resolution	Thread
PSH-50K	50kgf	0.5kgf	
PSH-100K	100kgf	1kgf	
PSH-200K	200kgf	2kgf	
PSH-300K	300kgf	2.5kgf	
PSH-200lb	200lbf	2lbf	
PSH-300lb	300lbf	2.5lbf	
PSH-500lb	500lbf	5lbf	

Small Model Ideal for Built-in Equipment

Size: Approx. W60×D40×156mm
Weight: Approx. 300g

- Exclusive use for tension: UKT series
- Exclusive use for compression: UKK series

Specifications

Accuracy	±0.3%F.S. or less
Division	100lines(※1)
Reading method	Real time/Peak hold(memory pointer type)
Standard accessories	Attachment(UKK:5pcs-UKT:4pcs)-the instruction manual-the carry case-Inspection certificate etc.

Model lists

Model	Capacity	Resolution	Thread
UKT-20N	20N	0.2N	
UKT-30N	30N	0.25N	
UKT-50N	50N	0.5N	
UKT-100N	100N	1N	
UKT-200N	200N	2N	
UKT-300N	300N	2.5N	

International model lists(※2)

Model	Capacity	Resolution	Thread
UKT-2K	2kgf	20gf	
UKT-3K	3kgf	25gf	
UKT-5K	5kgf	50gf	
UKT-10K	10kgf	100gf	
UKT-20K	20kgf	200gf	
UKT-30K	30kgf	250gf	
UKT-5lb	5lbf	0.05lbf	
UKT-10lb	10lbf	0.1lbf	
UKT-20lb	20lbf	0.2lbf	
UKT-30lb	30lbf	0.25lbf	
UKT-50lb	50lbf	0.5lbf	

Notes: ①The weight is depending on the range. (※1)120 lines for 30N, 300N, 30k and 30lb.(150lines for PSM)
(※2) The international models are NOT able to sell in Japan due to the Measurement Act.(※3)Please refer to Page 35 for the accessory attachments.