

Mechanical Force Gauges

It is the force measuring instrument of the mechanical type of the power supply needlessness which can measure tension and compression power correctly and easily. Based on our long history of technical achievement as a force gauge pioneer with the variety of know-how, IMADA mechanical force gauge is produced under advanced technology and severe quality control, and maintain early high precision for a long period of time.

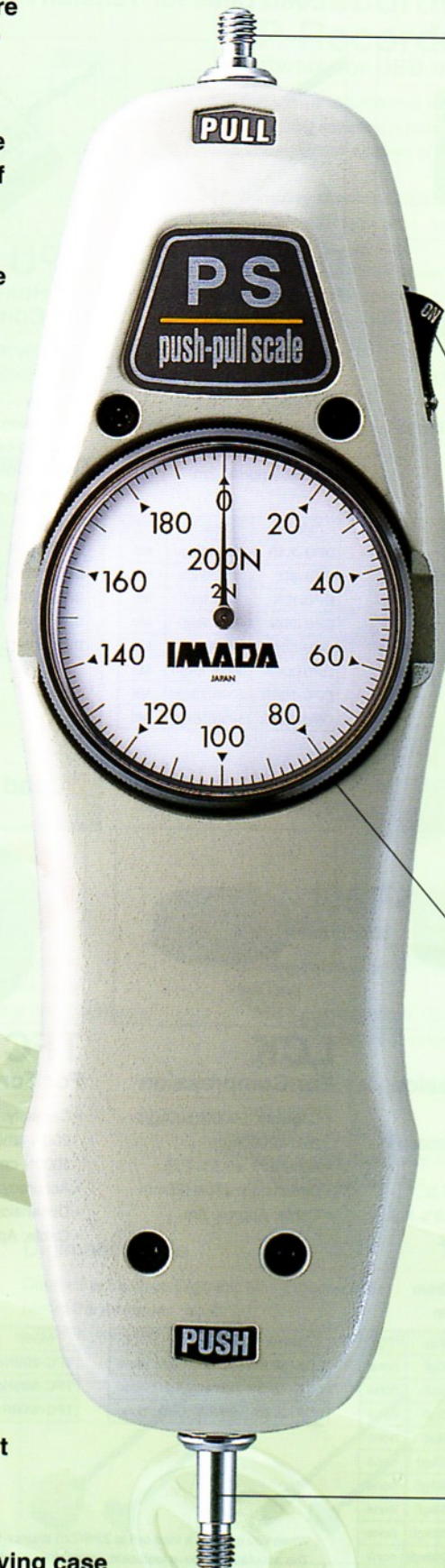
Features of Mechanical Force Gauge

Power supply needlessness

Durable and high reliability

Reading of force transition is possible

1. Ergonomic new design for hand held use
2. Rugged die cast aluminum housing
3. Durable high accuracy with exclusive indicator and special spring materials
4. Peak force hold on all models
5. Zero adjustment for tare weight
6. Easy to read dial
7. Included attachments and carrying case
8. 1 year guarantee



Tension sensing rod (PSS/PS/PSM/FS/FB: M6P1) (PSH: M10P1.5)

Measure tensile forces with the following attachments: Small Hook, Large Hook, Y Hook and supplied attachments.

Peak switch

This switch activates or clears peak hold reading.

Tare ring

Rotate tare ring to delete the attachment's weight.

Compression sensing rod (PSS/PS/PSM/FS/FB: M6P1) (PSH: M10P1.5)

Measure compressive forces with the following attachments: Flat Tip, Conical Tip, Chisel Tip, Notched Tip and supplied attachments.

PS/PSS

Standard Model

It is the standard type in high precision and durability.
Covers the measurements of low to medium force between 5N~500N.

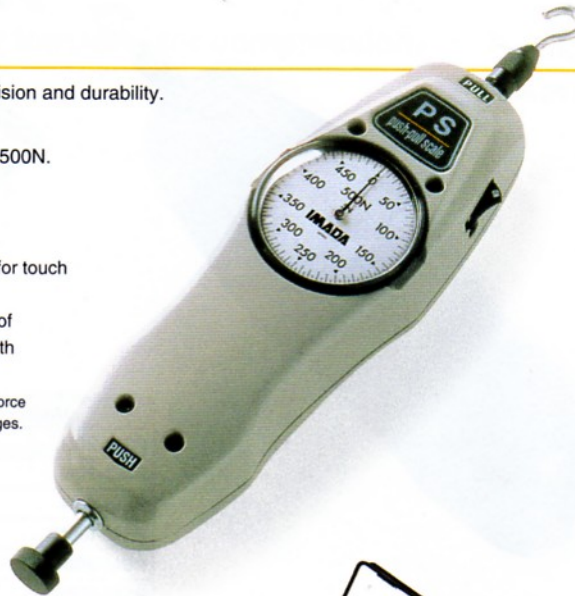
Applications

- Measuring of the contact pressure for touch panel or keyboard.
- Measuring of the bonding strength of adhesive tapes and the peel strength of adhesive sheets.

* For the measuring test with shock to the Force Gauge, we recommend Digital Force Gauges.

Specifications

- Accuracy: $\pm 0.1\%$ F.S.
- Stroke: 10mm
- Graduation: 100 lines (120 lines for 30N, 300N, 3K, 30K, 30lb)
- Measurement mode: Track and peak mode (selectable)
- Peak hold function
- Measuring shaft: M6
- Use temperature: 0~+40°C
- Weight: Approx. 600g
- Dimension: W67xD48xH232.5mm
- Included: 8 attachments (Small Hook, Flat Tip, Conical Tip, Chisel Tip, Notched Tip, Extension Shaft, Large Hook, Y Hook), Carrying case, Instruction manual, Inspection certificate



PS/PSS set

Model	Capacity	Resolution
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

Model	Capacity	Resolution
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

Model	Capacity	Resolution
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

FB/FS

Popular Model

FS/FB model performs steady precision at most affordable price.
Covers the measurements of low to medium force between 10N~500N.

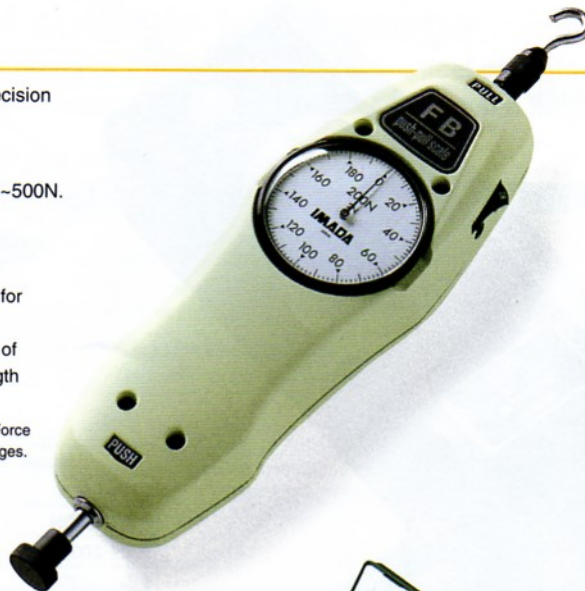
Applications

- Measuring of the contact pressure for touch panel or keyboard.
- Measuring of the bonding strength of adhesive tapes and the peel strength of adhesive sheets.

* For the measuring test with shock to the Force Gauge, we recommend Digital Force Gauges.

Specifications

- Accuracy: $\pm 0.3\%$ F.S.
- Stroke: 10mm
- Graduation: 100 lines (120 lines for 30N, 300N, 3K, 30K, 30lb)
- Measurement mode: Track and peak mode (selectable)
- Peak hold function
- Measuring shaft: M6
- Use temperature: 0~+40°C
- Weight: Approx. 600g
- Dimension: W67xD48xH232.5mm
- Included: 6 attachments (Small Hook, Flat Tip, Conical Tip, Chisel Tip, Notched Tip, Extension Shaft), Carrying case, Instruction manual, Inspection certificate



FB/FS set

Model	Capacity	Resolution
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

Model	Capacity	Resolution
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

Model	Capacity	Resolution
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