

Small Multi Test Stand MS series

Small, lightweight, and portable. Ideal for mounting on equipment.
Fine adjustment of a force gauge's position by knob operation.
MSL-50N: Ideal for force-displacement measurement.

MS series Model	
For force measurement	MSF-50N
Force-displacement measurement	MSL-50N

Test stand weight: only 1.2kg
Small, lightweight, and portable.

It moves by 18mm by a complete turn.
Fine adjustment of a force gauge's position. You can move a force gauge up/down by 44mm at maximum.

Force-Displacement testing
Portable test stand for force-displacement measurement.
*There is a product which include digital force gauge and software.
Model: FSA-MSL series



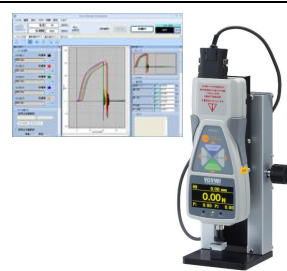



*The force gauge is not included.

Ideal for mounting on equipment	Designed to suit different measurement environment
<p>It has M4 screw holes to fix it on your equipment. Ideal for measurement obliquely, or big sample testing, and more.</p>	<p>Table can be removed or fixed differently, so the testing method would be various to fit your measurement conditions.</p>

* Dimensions are on the 4th page.

[Application examples: It can be used for various measurement purposes and environment]

Purpose	Measurement environment	
	On Tables	In unstable places
Force peak measurement	 <p>Portable. Easy operation.</p>	 <p>Ideal for measurement of switches on walls or ceilings with optional handles (MS-01) *1.</p>
Force-displacement analysis (MSL-50N) *2	 <p>Portable force-displacement graphing / analyzing system.</p>	 <p>Can be fixed on equipment or tripods. (To fix it on your tripods, optional accessory MS-02 is needed. * We do not sell tripods.)</p>

*1 To maintain the measurement accuracy, firmly press the test stand vertically against the wall or ceiling while turning the knob.

*2 Digital force gauge with displacement input/output function, such as ZTA series, is required.

[Specifications]

Model	MSF-50N	MSL-50N
Features	Standard	-FA option *1 (Equipped with a displacement scale)
Capacity	50 N	
Max. Sample Height	Approx.44mm (*2)	
Travel of a Mounted Gauge	Manual: Knob	
Travel	18mm/1 complete turn	
Size	Approx.W110 × D81 × H204mm	
Weight	Approx.1.2kg	
Accessories	Attachment mounting plate, screws, L-wrench, instruction manual	

*1 For displace measurement, a digital force gauge with displacement input/output function, such as ZTA series, is required.

*2 This value is the distance between the test stand table and the tip of force gauge measuring shaft when the head is in the uppermost position. (When up to 1000N model of ZTS/ZTA series is mounted.)

[Mountable Force Gauges]

	MSF-50N	MSL-50N *1
DST/DSV-2N to 1000N	✓	✓
ZTS/ZTA-2N to 1000N	✓	✓
ZTS/ZTA-2500N to 5000N	N/A	N/A
DPU-2N to 500N	✓	✓
DPUH-1000N to 5000N	N/A	N/A
FB/FS/PS/PSS/PSM series	N/A	N/A
PSH series	N/A	N/A

* Load cells not listed cannot be mounted on any of our test stands.

* Ensure to use within the capacity of force gauge and test stand regardless of the mountable models.

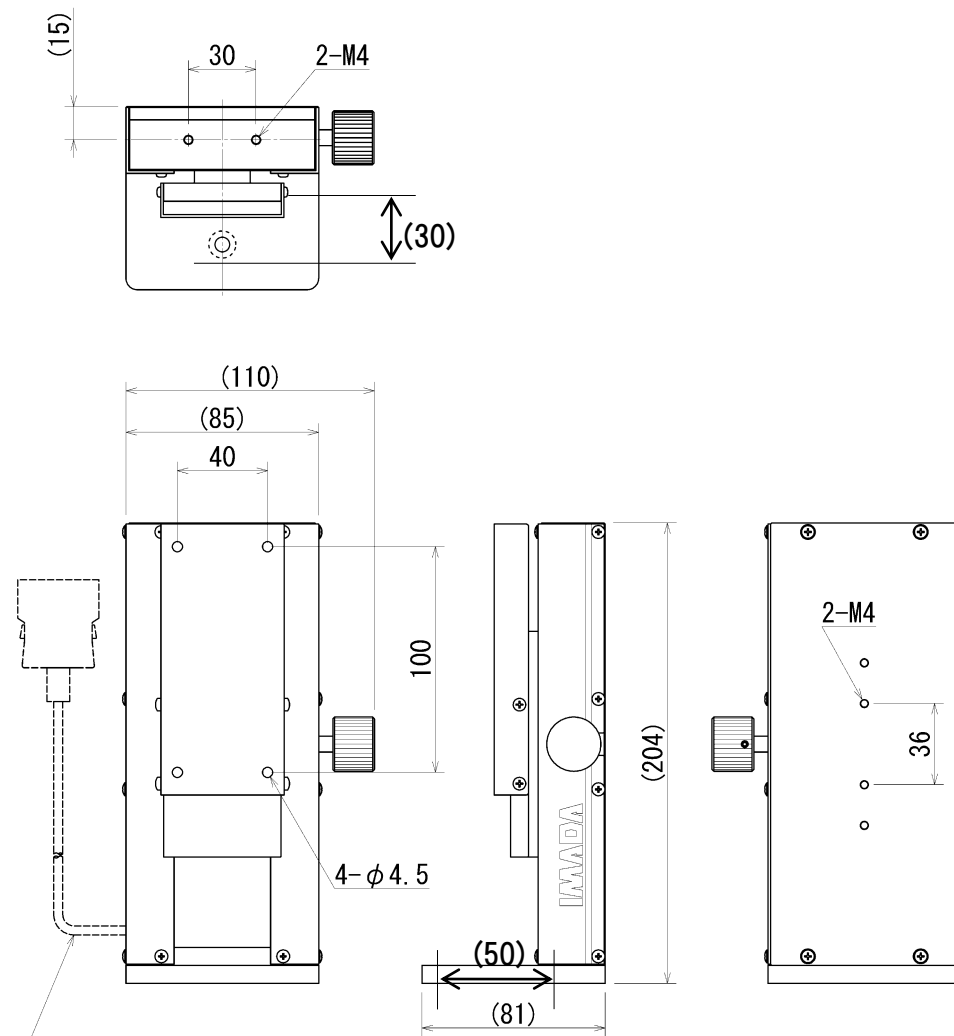
[Related Products]

Handle MS-01		Screw diameter conversion adapter MS-02	
Fixed on the bottom of MS series.to make measurement more easily and stably.		Used to fix MS series on tripods. *1	
			
Digital Force Gauge ZTS/ZTA series	Digital Force Gauge DST/DSV series	Digital Force Gauge DPU series	
Digital force gauge capable of measuring at a sampling rate of 2000 Hz.	Digital force gauge with excellent cost-performance capable of managing data with PC.	Load cell suitable for measuring both compression and tension. For the amplifier, please refer to the individual specification sheet.	
			
Force-displacement measuring unit FSA-MSL series *2			
Measuring unit to draw force-displacement curve easily Ideal for switch feeling testing or material testing such as rubber and more.			
		<p>Model:FSA-MSL-__N</p> <p>* You can select force range from 2N, 5N, 20N, 50N to fit your needs.</p>	
		<p>Unit details</p> <ol style="list-style-type: none"> 1. Test stand MSL-50N 2. ZTA series digital force gauge 3. Force-displacement graphing software Force Recorder Professional <p>Please refer to each specification for further information.</p>	

*1 We do not sell tripods.

*2 Please refer to FSA series specifications for further information of FSA-MSL series.

[Dimensions]



The displacement meter and the cable is included in only FSA-MSL series.

Unit: mm

[Cautions]

- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- A force gauge (sold separately) is required to use this product.
- Do not use this product in the environments including fierce temperature changes, high temperature, high humidity, near water, dusty place

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