

# Mechanical Force Gauges

## MF & EM Series

*Highly accurate and rugged - can be used anywhere!*

Incredibly durable and user-friendly, our economical MF and EM mechanical gauges are excellent for repetitive testing in assembly line or quality control lab applications. The peak mode features an easy push-button reset; this is especially helpful for doing repetitive testing in an assembly line or quality control lab. The real time mode allows you to see force changes as they occur. Ergonomically designed for handheld use, both gauges may be used with the optional handle (great for loads over 15 pounds). Due to their mechanical design, response time is immediate. Large, easy to read dial indicators are designed to reduce gauge parallax.

The MF gauges feature a die-cast aluminum housing; the EM gauges feature a durable, lightweight ABS plastic housing. Both gauges mount easily to all Shimpo test stands for even greater control of repetitive testing.



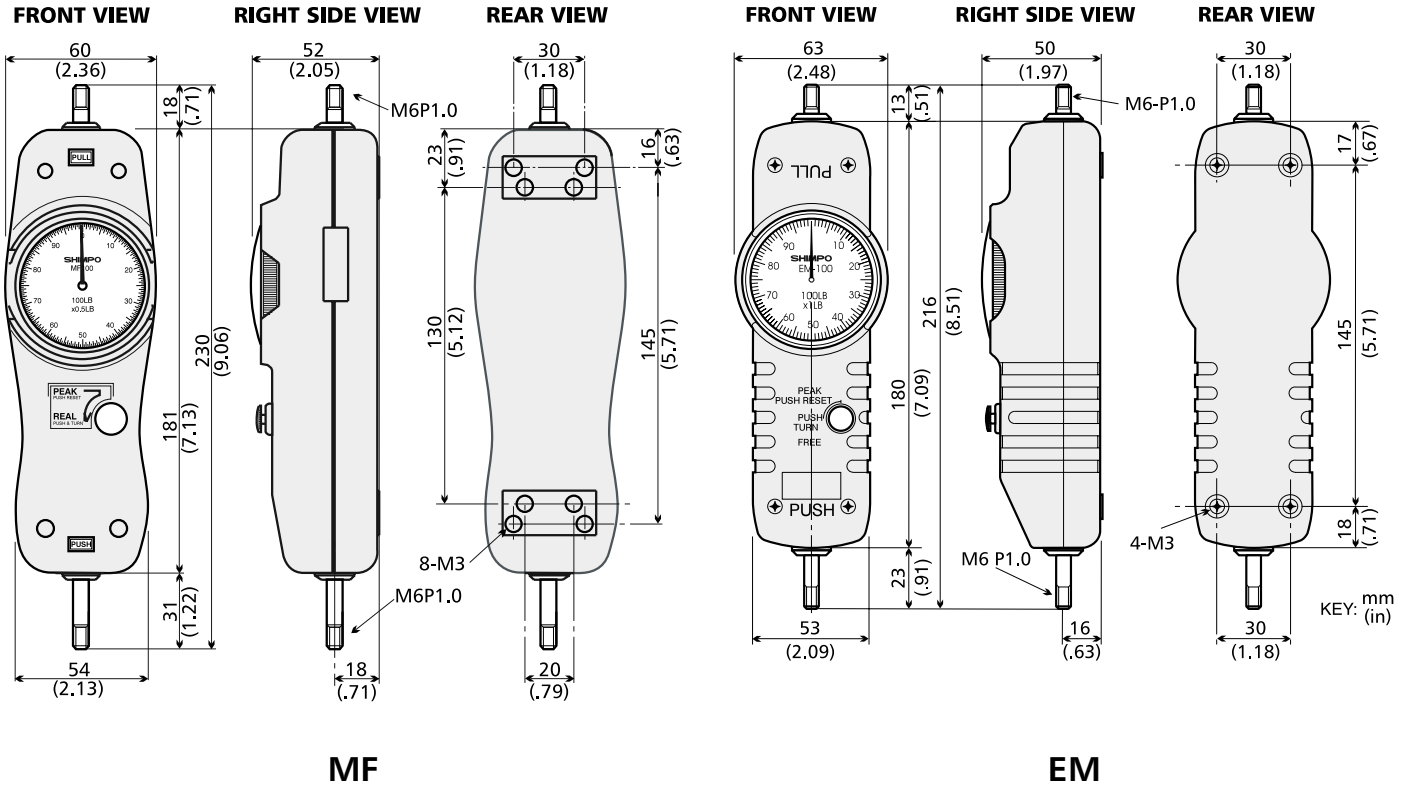
MF with FGS-50H  
manual test stand

### Features

### Benefits

<b>Outstanding accuracy (<math>\pm 0.2\%</math> FS)</b>	Ideal for even the strictest tolerances
<b>Peak mode</b>	Easy push-button reset; holds peak at maximum readings
<b>Precision gauge movement</b>	Allows user to observe force changes as they occur
<b>Exceptionally rugged and dependable</b>	Can be used in even the harshest conditions
<b>Smooth mechanical operation</b>	Precise action enhances confidence
<b>English and metric models available</b>	Satisfy many testing parameters
<b>Measure both tension and compression forces</b>	Only one gauge needed for insertion/withdrawal tests
<b>Overload protected to 165 pounds</b>	Protects gauge from damage
<b>Ergonomically designed</b>	Perfect for handheld use
<b>Two year warranty</b>	Peace of mind

# Mechanical Force Gauges



**MF**

**EM**

## MF & EM SPECIFICATIONS

<b>Accuracy</b>	±0.2% FS.
<b>Display</b>	Analog dial, 2" in diameter (50 mm); Rotatable 360° for taring purposes
<b>Real/Peak Mode</b>	Selectable
<b>Display Update</b>	Immediate
<b>Overload Capacity</b>	165 lb (75 kg)
<b>Standard Accessories</b>	Carrying case and 6 attachments (flat head, hook, chisel, notched head, cone head and extension rod) The MF Series also includes a large hook and large V-hook
<b>OPTIONAL ACCESSORIES</b>	Test stands, handle and attachments

## MF SERIES (ALUMINUM HOUSING)

ENGLISH DIAL								
Model	MF-2	MF-5	MF-10	MF-20	MF-30	MF-50	MF-100	
<b>Capacity</b>	2 lb	5 lb	10 lb	20 lb	30 lb	50 lb	100 lb	
<b>Dial Graduation</b>	0.01 lb	0.025 lb	0.05 lb	0.1 lb	0.2 lb	0.25 lb	0.5 lb	
METRIC DIAL								
Model	MF-1KG	MF-2KG	MF-3KG	MF-5KG	MF-10KG	MF-20KG	MF-30KG	MF-50KG
<b>Capacity</b>	1 kg	2 kg	3 kg	5 kg	10 kg	20 kg	30 kg	50 kg
<b>Dial Graduation</b>	0.005 kg	0.01 kg	0.02 kg	0.025 kg	0.05 kg	0.1 kg	0.2 kg	0.25 kg

## EM SERIES (ABS HOUSING)

ENGLISH DIAL								
Model	EM-2	EM-5	EM-10	EM-20	EM-30	EM-50	EM-100	
<b>Capacity</b>	2 lb	5 lb	10 lb	20 lb	30 lb	50 lb	100 lb	
<b>Dial Graduation</b>	0.02 lb	0.05 lb	0.1 lb	0.2 lb	0.2 lb	0.5 lb	1 lb	
METRIC DIAL								
Model	EM-1KG	EM-2KG	EM-3KG	EM-5KG	EM-10KG	EM-20KG	EM-30KG	EM-50KG
<b>Capacity</b>	1 kg	2 kg	3 kg	5 kg	10 kg	20 kg	30 kg	50 kg
<b>Dial Graduation</b>	0.01 kg	0.02 kg	0.02 kg	0.05 kg	0.1 kg	0.2 kg	0.2 kg	0.5 kg