

## Compact Digital Force Gauges

### Get readings more often

- Gauges updates readings 1000 times per second
- Read results from any angle with 180° displays
- Dual-direction keypad for hanging

**What's included:** gauge, carrying case, hanger, inch adapter, NiCd battery, 115 VAC adapter/charger, and six measuring shaft attachments (hook, cone head, flat head, chisel head, notched head, and extension rod). 93951-series gauges also include an analog output cable. All gauges can be test stand mounted.

#### Specifications

**Accuracy:** ±0.2% full-scale  
**Sampling rate:** 1000 times per second  
**Overload:** 200% of full-scale  
**Output:** (93951-series only): USB, analog (±1 VDC) and RS-232 with selectable baud rate (2400, 4800 9600, or 19,200 bps)  
**Power:** Rechargeable NiMH battery or 115 VAC adapter/charger



#### Accessories

- [GH-93951-95](#) AC power adapter/charger, 230 VAC
- [GH-93951-75](#) RS-232 output cable
- [GH-17080-16](#) NIST-traceable recalibration

Capacity	Resolution	Standard force gauges		Force gauges with USB ±1 VDC analog and RS-232 output	
		Cat. no.	Price	Cat. no.	Price
16 oz/500 g/5 N	0.01 oz/ 0.1 g/ 0.001 N	<a href="#">GH-93954-02</a>		<a href="#">GH-93951-32</a>	
2 lb/1000 g/10 N	0.001 lb/ 1 g/ 0.01 N	<a href="#">GH-93954-03</a>		<a href="#">GH-93951-33</a>	
5 lb/2 kg/20 N	0.001 lb/0.001 kg/ 0.01 N	<a href="#">GH-93954-04</a>		<a href="#">GH-93951-34</a>	
10 lb/5 kg/50 N	0.01 lb/ 0.001 kg/ 0.01 N	<a href="#">GH-93954-06</a>		<a href="#">GH-93951-35</a>	
20 lb/10 kg/100 N	0.01 lb/ 0.01 kg/ 0.1 N	<a href="#">GH-93954-07</a>		<a href="#">GH-93951-36</a>	
50 lb/20 kg/200 N	0.01 lb/ 0.01 kg/ 0.1 N	<a href="#">GH-93954-08</a>		<a href="#">GH-93951-37</a>	
100 lb/50 kg/500 N	0.1 lb/ 0.01 kg/ 0.1 N	<a href="#">GH-93954-09</a>		<a href="#">GH-93951-38</a>	
200 lb/100 kg/1000 N	0.1 lb/ 0.1 kg/ 1 N	<a href="#">GH-93954-11</a>		<a href="#">GH-93951-39</a>	

## M5 Series Premium Digital Force Gauges

### Versatile—stand or hand-held use

- Get wide measuring range up to 500 lbs
- Get more sampling with 7000 Hz peak sampling rate
- Store and recall up to 1000 data points
- Alarms alert to out-of-limit conditions

Gauges include average mode for averaging readings over time, and always display peak readings. Additional features include external trigger mode for switch contact testing, and programmable go/no go limits. Compatible with motorized test stand at right.

**What's included:** USB cable with driver, hook, flat, v-groove, chisel, cone, extension rod, 8.4 V rechargeable battery, AC adapter, carrying case, and calibration document supplied by the manufacturer.



#### Specifications

**Accuracy:** ±0.1% full-scale  
**Overload:** 150% of capacity  
**Sampling rate:** 7000 Hz  
**Output:** USB, RS-232, Mitutoyo, and analog

Capacity	Resolution	Catalog number	Price
5 lb/ 2.5 kg/ 25 N	0.001 lb/ 0.0005 kg/ 0.005 N	<a href="#">GH-25300-59</a>	
10 lb/ 5 kg/ 50 N	0.002 lb/ 0.001 kg/ 0.01 N	<a href="#">GH-25300-63</a>	
20 lb/ 10 kg/ 100 N	0.005 lb/ 0.002 kg/ 0.02 N	<a href="#">GH-25300-65</a>	
50 lb/ 25 kg/ 250 N	0.01 lb/ 0.005 kg/ 0.05 N	<a href="#">GH-25300-67</a>	
100 lb/ 50 kg/ 500 N	0.02 lb/ 0.01 kg/ 0.1 N	<a href="#">GH-25300-69</a>	
200 lb/ 100 kg/ 1000 N	0.05 lb/ 0.02 kg/ 0.2 N	<a href="#">GH-25300-74</a>	
500 lb/ 250 kg/ 2500 N	0.1 lb/ 0.05 kg/ 0.5 N	<a href="#">GH-25300-75</a>	

- [GH-17080-16](#) NIST-traceable recalibration for gauges up to 250 lb
- [GH-17101-37](#) NIST-traceable recalibration for gauges up to 500 lb

## Programmable Motorized Push/Pull Test Stands

### Reduce column bending

These configurable test stands are designed for tension and compression testing applications up to 300 lb (1.5 kN). Include integrated travel indication, overload protection, intuitive menu structure for simple setup and operation, and a host of programmable parameters. Secure units with a programmable password.

**Complete options packages (25300-29, -33):** integrated travel indication, PC control via RS-232<sup>1</sup>, programmable travel limits, programmable cycling with dwell time, auto return, integrated overload protection, button operation package, extended speed ranges, and independent up and down speeds.

**What's included:** extension rod, two hooks (small and medium), #10-32 coupler, 2" (5.1 cm) diameter compression plate, and force gauge hardware.



Speed range in./min (mm/min)	Verticle travel in. (mm)	Power	Catalog number	Price
0.5 to 13 (13 to 330); with complete options package: 0.02 to 45 (0.5 to 1100)	11.5 (292)	110 VAC	<a href="#">GH-25300-31</a>	
		220 VAC	<a href="#">GH-25300-23</a>	
	18 (457)	110 VAC	<a href="#">GH-25300-25</a>	
		220 VAC	<a href="#">GH-25300-27</a>	

- [GH-25300-29](#) Complete options package for 25300-25, -27
- [GH-25300-33](#) Complete options package for 25300-23, -31
- [GH-25300-35](#) Column extension, 6" (150 mm)
- [GH-25300-41](#) Multifunction cable, connects M5 gauge to test stand
- [GH-25300-43](#) Serial cable, test stand to PC
- [GH-25300-45](#) Communication adapter, RS-232 to USB

**Note:** These Test Stands are compatible with all Mark-10 Digital Force Gauges.