

Series Z2H

Programmable, High-Performance, Digital, Push/Pull Force Gauge with Outputs

- Programmable high/low setpoints with color-coded LED indicators and output signal for quick go/no go testing
- 1,000 Data memory for computer download
- External switch display hold and clear
- lbf, kgf, and N units are selectable
- RS-232C, Digimatic and Analog outputs
- Runs on internal NiCad batteries or AC adapter
- Ergonomic, heavy duty metal construction
- Capacity up to 1100 lbs (push/pull)
- Overload capacity 200% of F.S.
- Real time and peak mode (selectable)
- Overload alarm and output signal
- Low battery indicator
- Reversible display
- Full set of accessories, AC adapter/charger and carrying case. Z2H gauges are sold in kit form.

The Z2H are high performance, digital force gauges which offer programmable high/low setpoints for go/no-go testing. ORANGE lights up for measurements less than Low setpoint, GREEN for between High and Low setpoint, and RED for over High setpoint.

Store up to 1,000 values in memory, which can be transmitted using the Digimatic or serial output ports. Use the real time mode to display load transients, or the peak mode to capture the peak force achieved during a test. Selectable measuring units of lbf, kgf, or Newtons.

Connect an Imada Z2H force gauge and MX Series test stand and enable force controlled testing. Force control can automatically stop testing when the force value reaches the high setpoint programmed on the Z2H force gauge, or maintain the force between the Z2H High and Low setpoints. Force control is ideal for fatigue or non-destructive testing.

All Z2H gauges are sold in kits which include the gauge, hard carrying case, AC adapter/charger, tension hook, four compression adapters, extension shaft and knurled steel handles. Built-in NI-MH rechargeable batteries.

Data Acquisition Software (optional)

Capture and analyze real-time data from any Imada gauge with an RS-232C port directly into any Windows program. Log and chart measurements as well as statistical information. Control the gauge from your computer.

Data Input Button (optional)

DB-1 is a simple, compact, one channel interface that enables the user to send measurement data to a PC running Imada data acquisition software or other software. The data input button simplifies peak measuring tests because it 'zeros' the gauge after sending the data to the computer eliminating the need to reset manually for each test.



Z2H Kit includes handles

Z2H Kit

Z2H Specifications	
Accuracy	± 0.2% ± 1 LSD
Selectable Units	Pounds, Kilograms or Newtons
Overload Capacity	200% of F.S. (Overload indicator flashes beyond 108% of F.S.)
Power	Rechargeable NI-MH battery pack or AC adapter
Battery Indicator	Display flashes BAT when battery is low
Memory	Non-volatile, recall up to 1,000 loads
Setpoints	Programmable high/low setpoints with color-coded indicators and output signal
Outputs	RS-232C, Digimatic and ± 2 VDC analog output
Operating Temp.	32° to 100°F (0° to 40°C)

Z2H Ranges (Resolution) Accuracy: ±0.2% F.S. ±1 LSD

Model	Capacity (Resolution)		
	Pounds	Kilograms	Newtons
Z2H-440	440.0 lbf (0.1 lbf)	200.0 kgf (0.1 kgf)	2000 N (1 N)
Z2H-1100	1100 lbf (1 lbf)	500.0 kgf (0.1 kgf)	5000 N (1 N)

Specifications subject to change without notice.

