

Programmable Digital Force Gauge with Outputs – Series Z2H



- 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
- Reversible display
- lbf, kgf, and N units are selectable
- RS-232C, Digimatic and Analog outputs
- Runs on internal NIMH batteries or AC adapter
- Ergonomic, heavy duty metal construction
- Capacity up to 1100 lbf (push/pull)
- Overload capacity 200% of F.S.
- Real time and peak mode (selectable)
- Overload indicator and output signal
- Low battery indicator
- External switch display hold and clear
- Full set of accessories, AC adapter/charger and carrying case.

**PRICING
DELIVERY
SUPPORT**



Dimensions | Data Acquisition

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 RS-232C port. 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.



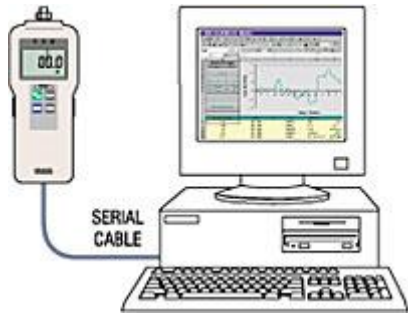
Z2H includes handles



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	Battery icon flashes 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: $\pm 0.2\%$ F.S. ± 1 LSD

Model	Capacity (Resolution)		
	Pounds/Ounces	Kilograms/Grams	Newtons
Z2H-440	440.0 (0.1 lbf)	200.0 (0.1 kgf)	2000 N (1 N)
Z2H-1100	1100.0 (1 lbf)	500.0 (0.1 kgf)	5000 N (1 N)

For capacities under 220 lbf use **Z2 series**