

Programmable, Digital Force Gauge with Outputs – Series Z2



- 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 Ni-MH batteries or AC adapter
- Ergonomic design with non-slip rubber grip, heavy duty metal construction
- Capacity up to 220 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. Z2 gauges are sold in kit form.

PRICING
DELIVERY
SUPPORT



[Dimensions](#) | [Data Acquisition](#)

The Z2 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.

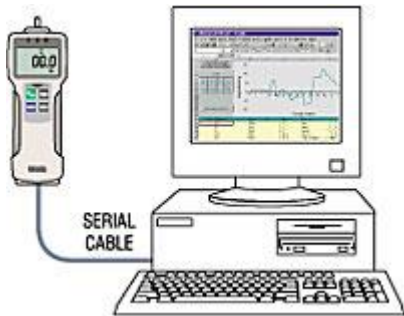
Store up to 1,000 values in memory, which can be transmitted using RS-232C port. Use the real time mode to display load transients, or the peak mode to capture the peak force achieved during a test. Selectable measuring units of lbf, kgf, or Newtons.

All Z2 gauges are sold in kits which include the gauge, hard plastic carrying case, AC adapter/charger, and attachments (flat head, conical, chisel, notched, small hook, large hook, Y-hook, and extension rod). Built-in Ni-MH rechargeable batteries. An optional handle to facilitate the measurement of heavy loads is also available.



Z2 Kit

Z2 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)



Z2 Ranges (Resolution) Accuracy: $\pm 0.2\%$ F.S. ± 1 LSD

Model	Capacity (Resolution)			
	Ounces	Pounds	Kilograms/Grams	Newtons
Z2-0.4	7.00 (0.01 ozf)	—	200.0 (0.1 gf)	2.000 (0.001 N)
Z2-1	18.00 (0.01 ozf)	—	500.0 (0.1 gf)	5.000 (0.001 N)
Z2-4	—	4.400 (0.001 lbf)	2.000 (0.001 kgf)	20.00 (0.01 N)
Z2-11	—	11.00 (0.01 lbf)	5.000 (0.001 kgf)	50.00 (0.01 N)
Z2-44	—	44.00 (0.01 lbf)	20.00 (0.01 kgf)	200.0 (0.1 N)
Z2-110	—	110.0 (0.1 lbf)	50.00 (0.01 kgf)	500.0 (0.1 N)
Z2-220	—	220.0 (0.1 lbf)	100.0 (0.1 kgf)	1000 (1 N)

For capacities over 220 lbf use **Z2H series**