

Programmable, Digital Force Gauge with Remote Sensor – Series Z2S-LM



**PRICING
DELIVERY
SUPPORT**

- LM button sensors are less than 1.5" in both diameter and height and measure compression only
- 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 push button 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
- Overload capacity 200% of F.S. (push/pull)
- Real time and peak mode (selectable)
- Overload indicator and output signal
- Low battery indicator
- External switch display hold and clear
- Includes 6' cable, AC adapter/charger and carrying case

DPU Sensors are Available

ZPS-DPU sensors measure both tension and compression in the same ranges as ZPS-LM sensors.

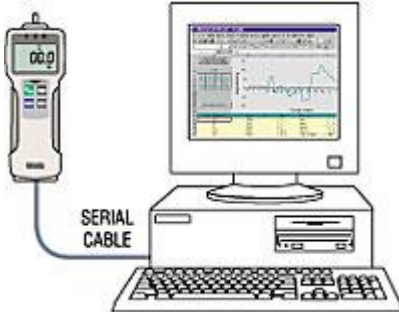


[Dimensions](#) | [Data Acquisition](#)

The Z2S-LM are high performance digital force gauges that feature a separate sensor that is ideal for confined spaces or difficult to reach measurements. All standard LM sensors are less than 1.5" in both diameter and height and measure compression only. A standard six foot cable connects the gauge to the sensor.

The Z2S-LM unit offers 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 displayed or 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.



Z2S-LM 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
Low 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)

Z2S-LM Ranges (Resolution) Accuracy: $\pm 0.2\%$ F.S. ± 1 LSD

Model	Capacity (Resolution)		
	Pounds/Ounces	Kilograms/Grams	Newtons
Z2S-LM-0.4	7.000 (0.001 ozf)	200.0 (0.1 gf)	2.000 (0.001 N)
Z2S-LM-1	18.00 (0.01 ozf)	500.0 (0.1 gf)	5.000 (0.001 N)
Z2S-LM-4	4.400 (0.001 lbf)	2.000 (0.001 kgf)	20.00 (0.01 N)
Z2S-LM-11	11.00 (0.01 lbf)	5.000 (0.001 kgf)	50.00 (0.01 N)
Z2S-LM-44	44.00 (0.01 lbf)	20.00 (0.01 kgf)	200.0 (0.1 N)
Z2S-LM-110	110.0 (0.1 lbf)	50.00 (0.01 kgf)	500.0 (0.1 N)
Z2S-LM-220	220.0 (0.1 lbf)	100.0 (0.1kgf)	1000 (1N)
Z2S-LM-440	440.0 (0.1 lbf)	200.0 (0.1kgf)	2000 (1N)
Z2S-LM-1100	1100 (1 lbf)	500.0 (0.1kgf)	5000 (1N)
Z2S-LM-2200	2200 (1 lbf)	1000 (1kgf)	10.00 (0.01KN)
Z2S-LM-4400	4400 (1 lbf)	2000 (1kgf)	20.00 (0.01KN)