

Series DPZ

Programmable, Digital Force Gauge with Outputs



- Programmable high/low setpoints with color-coded LED indicators and output signal for quick go/no go testing
- 960 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 design with non-slip rubber grip, heavy duty metal construction
- Capacity up to 220 lbs (push/pull)
- Overload capacity 200% of F.S.
- Real time and peak mode (selectable)
- Tare function
- Overload alarm and output signal
- Low battery indicator
- Reversible display
- Force Control with MX Series test stands
- Full set of accessories, AC adapter/ charger and carrying case. DPZ gauges are sold in kit form.

Model DPZ is a high performance, digital force gauge which 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 960 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 DPZ force gauge with an 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 DPZ force gauge, or maintain the force between the DPZ High and Low setpoints. Force control is ideal for fatigue or non-destructive testing.

All DPZ gauges are sold in kits which include the force gauge, hard plastic carrying case, AC adapter/charger, and attachments (flat head, conical, chisel, notched, small hook, large hook, Y-fork, and extension rod). Built-in NiCad rechargeable batteries.



DPZ Kit

DPZ 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 NiCad battery pack or AC adapter
Battery Indicator	Display flashes BAT when battery is low
Memory	Non-volatile, recall up to 960 loads
Setpoints	Programmable high/low setpoints with color-coded indicators and output signal
Outputs	RS-232, Digimatic and ± 2 VDC analog output
Operating Temp.	32° to 100°F (0° to 40°C)

DPZ Ranges (Resolutions) Accuracy: ±0.2% F.S. ±1 LSD

Model	Capacity (Resolution)			
	Ounces	Pounds	Kilograms /Grams	Newtons
DPZ-0.4	7.00 ozf (0.01 ozf)	—	250.0 gf (0.1 gf)	2.000 N (0.001 N)
DPZ-1	18.00 ozf (0.01 ozf)	—	500.0 gf (0.1 gf)	5.000 N (0.001 N)
DPZ-4	—	4.400 lbf (0.001 lbf)	2.000 kg (0.001 kgf)	20.00 N (0.01 N)
DPZ-11	—	11.00 lbf (0.01 lbf)	5.000 kg (0.001 kgf)	50.00 N (0.01 N)
DPZ-44	—	44.00 lbf (0.01 lbf)	20.00 kg (0.01 kgf)	200.0 N (0.1 N)
DPZ-110	—	110.0 lbf (0.1 lbf)	50.00 kg (0.01 kgf)	500.0 N (0.1 N)
DPZ-220	—	220.0 lbf	100.0 kg (0.1 kgf)	1000 N (1 N)