

DPZH Series

High Capacity Digital Force Gauge



[Applications]

- Strength tests for various materials (tension test, compression test, shearing test, etc.)
- Measuring of attraction/repulsion force of solenoid or magnet.
- Adhesion test of laminated tubes

[Feature]

- 1 Digital display of tension and compression forces
- 2 Measuring units (kg, N, lb) are selectable.
- 3 Since the RS232C output terminal is equipped, it is connectable with a PC and a printer.
- 4 Peak hold function
- 5 Comparator function for setting Hi / Lo point values
- 6 Memory function to store data for analysis
- 7 Reversible display function
- 8 Overload prevention lamp

[Specifications]

Measuring units	N , kgf , lb / N, g, oz
Display	4 digits LCD, unit, mode (track/peak)
Measurement time	60 times / second
Display update	10 times / second
Overload prevention	Approx. 200% of F.S. (LED flashing beyond 110%)
A/D converter	16bit delta sigma system
CPU	8bit 1 chip microprocessor
Accuracy	+/-0.2%F.S +/-1digit
Battery use time	Continuation about 8 hours
Operating temperature range	0~+40°C
Power supply	Rechargeable NiCad battery pack(4pcs) or AC adapter
Weight	About 1150 g
Output	Digital (serial RS-232C) Mitsutoyo Digimatic Analog (+/-2VF.S.) Comparator output signal(Open collector MAX30V10mA) Overload output signal (Open collector MAX30V10mA) External hold and zero clear
Comparator function	Color coded LED indicates below, within, or above set point value
Memory	Up to 960 measurement values
Display reverse function	The display can be reversed by combination of button operation.
Standard Accessories	AC adapter, 8 attachment, carrying case

Note 1) Since commercial power supply voltage varies in the area where the gauge is used, three types (100V, 120V, 230V) of voltage adapters are available. Please specify the confirmed voltage for the commercial power supply when you order.

[Model type]

Model	Capacity	Display	Resolution
DPZH-1000N	1000N (100Kgf)	1000N (100.0Kg)	1N (100gf)
DPZH-2000N	2000N (200Kgf)	2000N (200.0Kg)	1N (100gf)
DPZH-5000N	5000N (500Kgf)	5000N (500.0Kg)	1N (100gf)

