

DPZ Series

Digital Force Gauge



[Applications]

Measuring of the strength of electronic parts bonding or soldering

Measuring of contact press for touch panel or keyboard

Measuring of push / pull force for connector pin or slide cap

Pull testing of pull top can or noodle container lid

[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 , kg, lb
Display	4 digits LCD, Units, Mode, Warning, Reversible function
Measurement time	60 times / second
Display update	10 times / second
Overload Capacity	200% of F.S. (Over load lamp flashing beyond 108%)
A/D converter	16bit delta sigma system
CPU	8bit 1 tip microprocessor
Accuracy	+/-0.2%F.S +/-1ditit
Battery use time	Continuation about 8 hours
Operating temperature	0~+40° degree Celsius
Power supply	Rechargeable NiCad battery pack(4pcs) or AC adapter
Weight	About 520 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
External Contact	Data hold, Remote zero reset
Memory	Up to 960 measurement values
Standard Accessories	AC adapter, 8 attachment, carrying case

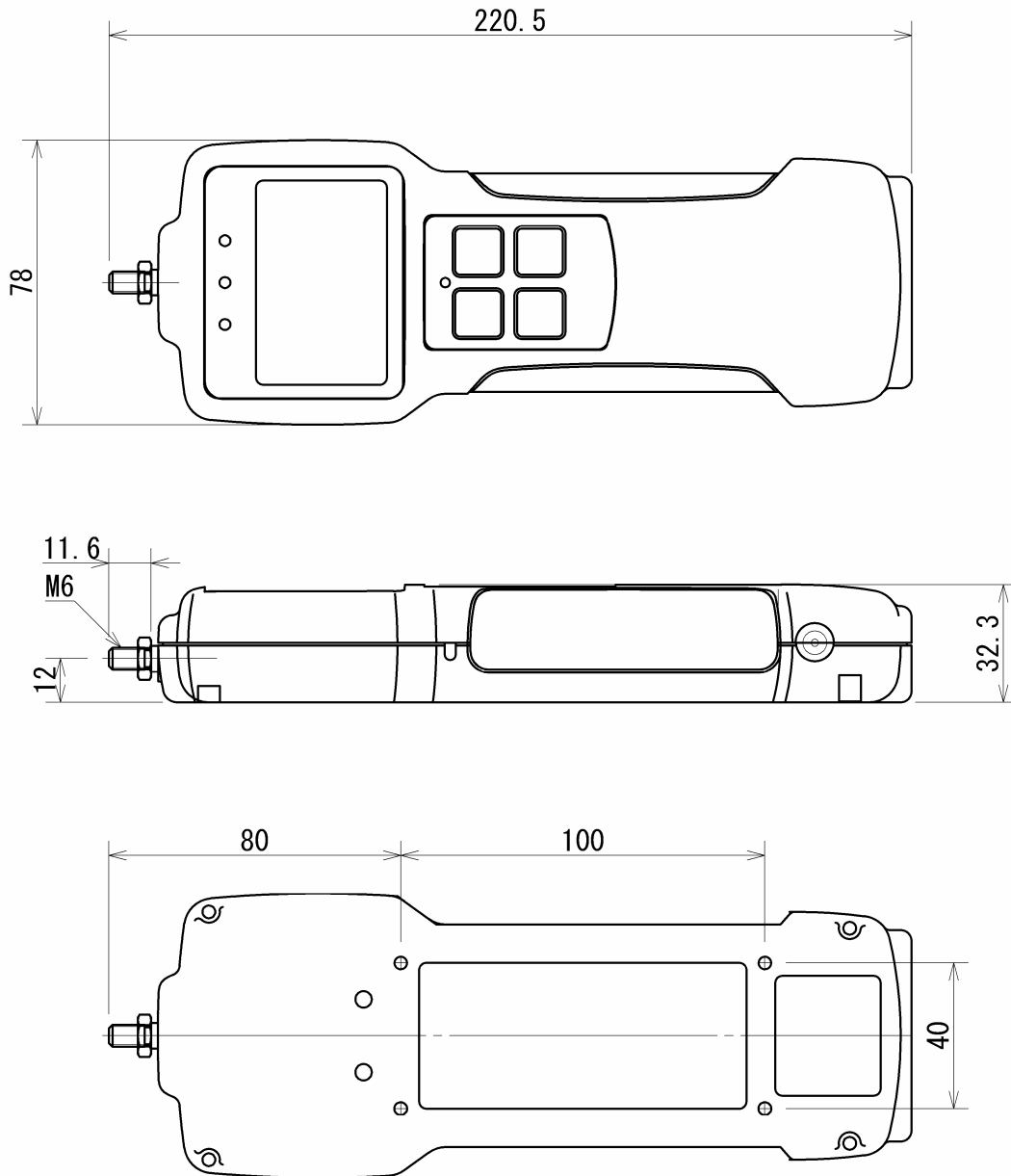
Note 1) Since commercial power supply voltage varies in the area where the gauge is used, three types (100V, 120V, 230V) of voltage adapters are available. Please specify the confirmed voltage for the commercial power supply when you order.

[Available models]

Model	Capacity	Display	Resolution
DPZ-2N	2N(200gf)	2.000N(200.0g)	0.001N(0.1gf)
DPZ-5N	5N(500gf)	5.000N(500.0g)	0.001N(0.1gf)
DPZ-20N	20N(2Kgf)	20.00N(2.000Kg)	0.01N(1gf)
DPZ-50N	50N(5Kgf)	50.00N(5.000Kg)	0.01N(1gf)
DPZ-100N	100N(10Kgf)	100.0N(10.00Kg)	0.1N(10gf)
DPZ-200N	200N(20Kgf)	200.0N(20.00Kg)	0.1N(10gf)
DPZ-500N	500N(50Kgf)	500.0N(50.00Kg)	0.1N(10gf)
DPZ-1000N	1000N(100Kgf)	1000N(100.0Kg)	1N(100gf)

[Dimension]

DPZ series



[Note]

- *Do not apply excess force, torque, or impact on the measuring axis regardless to the power is on/off.
- *Do not use the gauge under the condition of the rapid temperature changes, high temperature, high humidity, near water and dusty place.
- *Keep the gauge in the exclusive carrying case when it is not used.
- *The use of the test stand made by Imada is recommended for the stable measuring result.
- *All information is subject to change without prior notice.