

Measuring shaft: M6

ZP/Z2

Standard Model

Display can be reversed for using with test stand.
It excels in a response and measured value is displayed in a instant. Covers the measurements of low to medium force between 2N~1000N. ZP series has USB output function.



ZP/Z2 set

Features of ZP/Z2 series

1. Ergonomic new design
2. Programmable high / low set points with color coded indicators
3. Memory up to 1000 measurement data
4. Display reverse function
5. Peak hold function
6. High measuring speed and suitable for impact and break point test
7. Rugged die cast aluminum housing
8. Included attachments and carrying case
9. 1 year guarantee

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

Specifications

- Weight: Approx. 520g
- Dimensions: W78xD32xH220mm
- Included: 8 attachments (Small Hook, Flat Tip, Conical Tip, Chisel Tip, Notched Tip, Extension Shaft, Large Hook, Y Hook), AC adapter, Carrying case, Instruction manual, Inspection certificate, Driver CD-ROM (for USB model), USB cable (for USB model)

Common Specifications of ZP/Z2 series

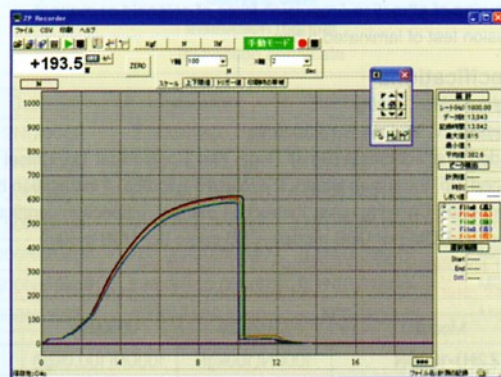
Model	ZP/ZPS/ZPH (USB model)	Z2/Z2S/Z2H (NON-USB model)
Accuracy	±0.2% F.S. ±1digit	
Display	4-digit LCD	
Display update	10 times/sec	
Sampling rate	1000 times/sec or more	
Battery usage	8 hours (Approx. 10 hours for charging)	
Overload capacity	Approx. 200% F.S.	
Measuring units	kgf/(k)N/lbf or gf/N/ozf selectable	
Power supply	Internal NiMH rechargeable battery, AC adapter	
Temperature and humidity range	Temperature: 0~+40°, Humidity range: 20~80%RH	
Functions	Peak hold, Memory (1000 data), Comparator, Display reverse, Auto zero clear, Alarm, Auto power off, Damping	
Output	RS232C, Analog voltage ±2V F.S. Comparator ± NG or OK, Overload	
	USB	Mitutoyo digimatic
Overload warning	Approx. 110% F.S. (LED flash, alarm)	
External connecting switch	HOLD, ZERO, PEAK	

Model	Capacity	Display	Resolution	Measuring shaft
ZP(Z2)-2N	2N(200gf)	2.000N(200.0gf)	0.001N(0.1gf)	M6
ZP(Z2)-5N	5N(500gf)	5.000N(500.0gf)	0.001N(0.1gf)	M6
ZP(Z2)-20N	20N(2kgf)	20.00N(2.000kgf)	0.01N(0.001kgf)	M6
ZP(Z2)-50N	50N(5kgf)	50.00N(5.000kgf)	0.01N(0.001kgf)	M6
ZP(Z2)-100N	100N(10kgf)	100.0N(10.00kgf)	0.1N(0.01kgf)	M6
ZP(Z2)-200N	200N(20kgf)	200.0N(20.00kgf)	0.1N(0.01kgf)	M6
ZP(Z2)-500N	500N(50kgf)	500.0N(50.00kgf)	0.1N(0.01kgf)	M6
ZP(Z2)-1000N	1000N(100kgf)	1000N(100.0kgf)	1N(0.1kgf)	M6

Advantage of **USB** connection

1. High usability due to the most popular interface
2. High speed data processing for accurate graphing

ZP-Recorder is the new optional software for the USB equipped ZP force gauge. The maximum data transfer rate to the host computer is 1000 per second, and this high speed data communication makes for smooth and accurate graphing and event capture not possible with the old RS-232C standard.



Optional software for ZP (USB) model: ZP-Recorder