AIKOH ENGINEERING

RZ Series Digital force gage

NEW!!

- Easy reading display
- Auto power off function
- USB output
- Analog output (±2V F.S.)
- Multi power supply (100 to 240V)
- Usable time:
  Approx.30hours after full charging

Model List

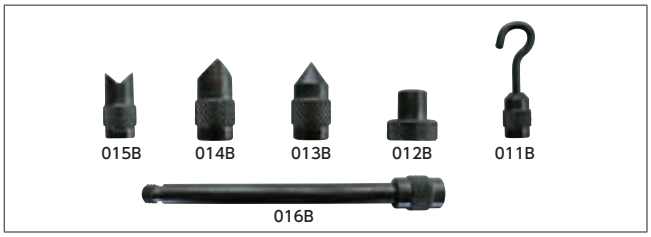
Model	RZ-1	RZ-2	RZ-5	RZ-10	RZ-20	RZ-50	RZ-100
Rated capacity	10N (1Kgf)	20N (2Kgf)	50N (5Kgf)	100N (10Kgf)	200N (20Kgf)	500N (50Kgf)	1000 (100Kgf)
Measurement range	0.001-10.000N (0.1gf-1.0000Kgf)	0.01-20.00N (1gf-2.000Kgf)	0.01-50.00N (1gf-5.000Kgf)	0.01-100.00N (1gf-10.000Kgf)	0.1-200.0N (10gf-20.00Kgf)	0.1-500.0N (10gf-50.00Kgf)	0.1-1000.0N (10gf-100.00Kgf)
Min. display unit	0.001N (0.1gf)	0.01N (1gf)			0.1N (10gf)		
Top shaft	M6						

Standard Specifications

Measurement unit	N, Kgf (gf), Lbf selectable
Accuracy	Within ±0.2% F.S.
Allowable overload	120% R.C. (Overload alarm at approx. 110%)
Measurement item	Track mode/Peak-hold mode/Compression-Tension peak-hold mode selectable
Display update interval	1, 2, 5, 10, 20 times/sec. selectable
Sampling frequency	1, 5, 16, 50, 125 & 250ms selectable
Display	LCD, Signed 5-digits, Main characters height 16.4mm, Sub-characters height 4.7mm Battery remaining charge alarm, Measurement units, Up/down reversible display, Overload alarm Peak-hold mode
Functions	External print input, External contact hold input, External zero-reset input Thermal printer BL2-58 printer output, Mitutoyo digimatic printer output Display update time output selectable in 5levels, Measurement time selectable in 6levels, RS232C-USB adaptor output Auto power off, Comparator output and LED light display Both compression peak and tension peak display, Overload output
Power supply	Three exclusive AAA nickel hydrogen cells, Exclusive adaptor (5VDC, 1000mA), Exclusive USB cable Recharging time: Approx. 4.5hours (measurement possible during recharging) Battery life: 30hours after full recharging
Charging protect circuit	Stop recharging when the temperature of nickel hydrogen cells go out of bounds from 0 to +50℃. Stop recharging when it cannot recharge over 4.5hours.
Applicable temperature range	0 to+40℃ (Compensated temperature range: 5℃ to 40℃)
Size	W68 x D40 x H232 mm
Weight	Approx. 375g
Standard accessories	6 attachments, Exclusive AC adaptor MODEL -780 (100 to 240VAC), European specification plug and Exclusive carry case
Options	Cables for output, Software, Test stand, Jigs and Printer BL2-58

Standard accessories

Attachments



Vertical & Horizontal Manual Stand MODEL-2256

Standard Specifications

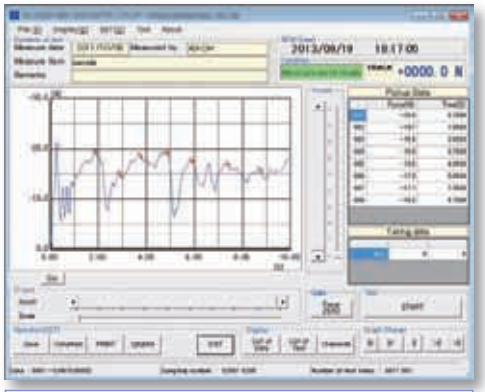
Max.force		500N (50Kgf)
Moving distance		3mm/handle rotation
Stroke		240mm
Weight	(Vertical)	Approx. 16Kg
	(Horizontal)	Approx. 12Kg
Size		W200xH500xD150mm (Including handle)

Vertical & Horizontal Motorized Stand MODEL-2257

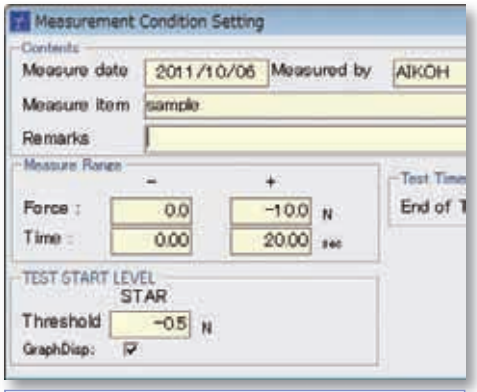
Standard Specifications

Max. force	500N (50Kgf)
Test speed	10-200 mm/min.
Speed changing	None
Stroke	150mm
Weight (Vertical)	Approx. 20Kg
Size	W215xH380xD235mm
Power supply	100 to 240VAC, single-phase, 0.5A

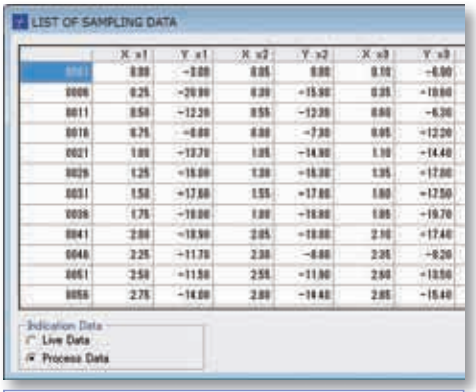
Software exclusive for the RZ Series (Option) RZ-3000



Main screen



Set test condition screen



List of data

This is software exclusive for the RZ series to save data to a PC.
It reads real-time data into a PC and displays the waveform graph and maximum value.
Measurement data can output in CSV files and output CSV files can open onto sheets using Excel.
Standard interface is USB output. (USB cable is standard accessory.)

Recommended Environment

Japanese Windows7
Memory: 2G bytes or more
CD-ROM drive for program installation:1
English OS is accepted

Manufacturer

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