

# RZ Series Digital Force Gauges



The RZ Series digital force gauges are newly developed user-friendly gauges that have significantly improved the operability of conventional push-pull gauges while keeping their functions. They come with such convenient functions as data output by use of a newly adopted USB and charging and they also feature quick and easy operations such as changing sampling rates, changing over between three units, printer output and display reversing.

Their shape and buttons conventional concept. We provide complete warranty for these Models RZ-1 through RZ-100. Since there are many cases that breakage or failure occurs within one year after the delivery to the customer, the first case of breakage, overload trouble, etc. that may occur within one year after the delivery will be repaired by Aikoh free of charge. (This warranty, however, applies only to the gauges used in Japan and does not cover the gauges used overseas.)

## RZ Series Standard Specifications

Unit of measurement	N or (gf) kgf, N, lb selectable
Accuracy	Within $\pm 0.2\%$ of rated capacity
Allowable overload	120% of rated capacity (Overload alarm at about 110%)
Measurement system	Track mode/Peak hold mode/Compression-tension peak hold mode selectable
Indication update cycle	1, 2, 5, 10, 20 times/sec, selectable
Sampling cycle	1 ms, 5ms, 16ms, 50ms, 125ms, 250ms selectable
Working temperature range	0 to +40°C
Guaranteed temperature range	+5 to +40°C
Continuous working hours	30 hours after full charge
Power supply	Dedicated nickel-metal hydride AAA battery x3 Dedicated AC adaptor: MODEL-780 (DC5V/1000mA) Dedicated USB cable: MODEL-RZ-USB
External dimensions	W68xD40xH232mm
Mass	Approx. 375gs

## RZ Series Model List

Model	RZ-1	RZ-2	RZ-5	RZ-10	RZ-20	RZ-50	RZ-100
Rated capacity (R.C.)	10N (1kgf)	20N (2kgf)	50N (5kgf)	100N (10kgf)	200N (20kgf)	500N (50kgf)	1000N (100kgf)
Indication 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. indication unit	0.001N (0.1gf)		0.01N (1gf)			0.1N (10gf)	

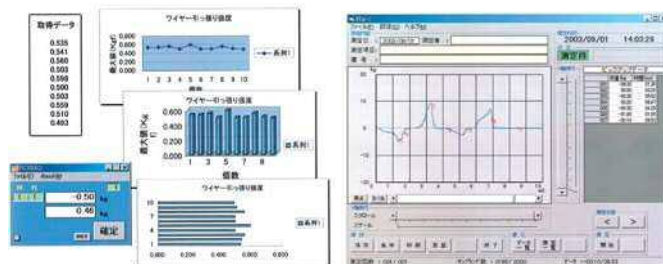
## RZ Series Optional Cables

I/O cable	RZ-OP-1
I/O cable	RZ-OP-2
MITUTOYO-made DP-1 VR printer cable	RZ-OP-3
SANEI ELECTRIC-made line thermal printer cable	RZ-OP-4

## RZ Series Standard Accessories



## RZ-3000 (Software dedicated to RZ Series)



Software for Excel

Real-time waveform

This is dedicated software designed to store data acquired by RZ Series in a PC.

It acquires and sends real-time data to a PC to show waveform graphs and maximum values.

Measurement data can be output in CSV files and output CSV files can be opened using Excel.

The standard interface is the USB interface. (The USB cable is included with the RZ force gauge as a standard accessory.)

## Recommended Environment

Windows7, Japanese or English

Memory: 2G bytes min.

CD-ROM drive for program installation x1