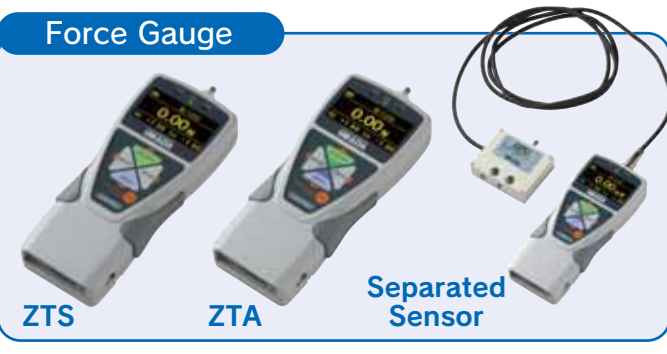



ZT series Advanced Measurement Examples

Force Gauge




ZTS ZTA Separated Sensor

Motorized Test Stand



MX2 EMX MH2

Connecting them via Force Control Cable CB series,




you can maximize the functions such as the following.

※Please contact us for the combinations. (Our service group: +81-(0)532-33-3288)

Preventing Overload

◎For reducing overload risks, a test stand stops when a force gauge senses too much force over its capacity.



STOP!!


If the motorized stand goes beyond the overload value during its operation, it will not continue to operate.

Making Efficient

◎It automatically starts graphing and recording data.

※Graphing software is sold separately.

Automatically it starts graphing.




START!

※You cannot prevent overload in some cases.

Force Control Functions

◎Improve operating efficiency

- The force gauge automatically returns to starting point after reaching a pre-set force limit.
- It can change the test speed when a force gauge senses a set point. Using this function, you can move the force gauge quickly until it touches a test sample, which reduces the time taken for measurement.



Go slowly when a force gauge senses 0.1N.

Pause for 60 seconds, applying 500N pressure constantly.

◎Fit for pressure/endurance tests

- It can automatically regulate the load so as to be in a pre-set range for a pre-set time period, which is fit for pressure/endurance tests.

Digital Force Gauge

Affordable & Simple Type

DST Series

Covering measurement of low, medium force area, from 2N~1000N. It features simple functions and easy handling with light weight and compactness.

- Ideal for hand use**
- ◎Hand fitting design
It has an easy gripping shape.
 - ◎Light weight
Approx. 460g, light enough to measure with one hand
 - ◎Long lasting
You can use up to 30 hours continuously (when backlight off).
 - ◎USB power supply available
You can charge it from a PC or mobile battery.

- Easy data management on PC**
- ◎Connect via USB easily
 - ◎Data capture software (Force Logger) included
 - Transfer 10 data / second to PC
 - Automatic detection of max. and min. values
 - Can be saved in CSV format



- Easy quality control**
- ◎Pass (OK) judgment function
Easy checking for defects (It indicates OK when a force is within acceptable range.)
 - ◎Notice of calibration schedule
You can set the calibration date and notify 30 days before the scheduled date
 - ◎Overload alarm
Notify with a warning when the measured value approaches capacity

Compression / Tension compatible

□Size:Approx.W72×D32×H181mm
□Weight:Approx.460g

Check force transition on graphs
Software ZLINK4 ————— To Page 22

Improve Measuring Repeatability
Test Stand ————— To Page 28

Apply Stable Force by Hand
Handle FOH-1 ————— To Page 43



Model table of DST series

Model	Capacity (N)	Display	Thread
DST-2N	2N	2.000N(2000mN)	M6
DST-5N	5N	5.000N(5000mN)	
DST-20N	20N	20.00N	
DST-50N	50N	50.00N	
DST-200N	200N	200.0N	
DST-500N	500N	500.0N	
DST-1000N	1000N	1000N(1.000kN)	

Specifications of DST series

Accuracy	+/-0.2%F.S.+/- 1 digit
Unit of measurement	N(mN/kN), kg(g) (※1)
Display	4-digit
Sampling rate	1000Hz (1000 data / sec) at maximum
Battery	Approx. 30 hours (backlight off); Approx. 14 hours (backlight on) (4.5 hours full charge)
Power	Built-in Ni-MH battery, USB power supply (PC, mobile battery, AC adaptor)
Operating environment	Temperature: 0 - 40° C Humidity: 20 - 80% RH
Function	Peak hold (tension and compression)/Comparator (judgement of acceptance or rejection)/Setting sensitivity (3 Levels)/Reversible display/ Reversible symbols/Setting lock/ Date time setting/Off timer/ Calibration time notice
Output	USB/RS232C
Overload alarm	Advance notice alarm: Range 90% or above Overload warning (Alarm/Display): Range 110%
Accessory	Force Logger (Data capturing software)/USB cable/AC adaptor/ Attachment (※3)/Carrying/Operation manual/Inspection certificate

※1 The model less than 5N can be displayed mN, the model more than 1000N can be displayed kN. Japanese domestic model does not indicate kgf and lbf units.
※2 Weight varies slightly depending on the range.
※3 Please refer to Page 35 for the detail of accessory attachments.
◎Weight are slightly different by the ranges.
◎Specifications for international models only. Specifications for Japanese domestic models vary on functions and performance.