

Battery-related measurements



This system **measures the phenomena of deformation caused by thermal expansion of component** that fixes the storage battery (lithium-ion battery) to a device. **Real-time measurement** of strain in the battery case, axial force of anchor bolts (screws), and temperatures are facilitated by high-speed sampling while displaying the numerical and graphical monitoring data.

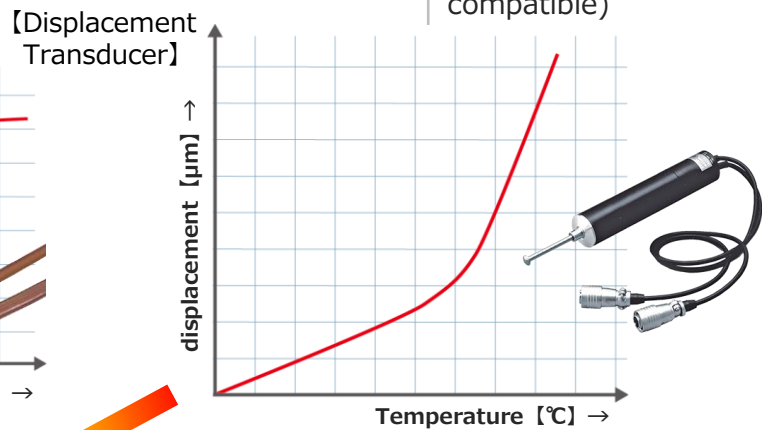
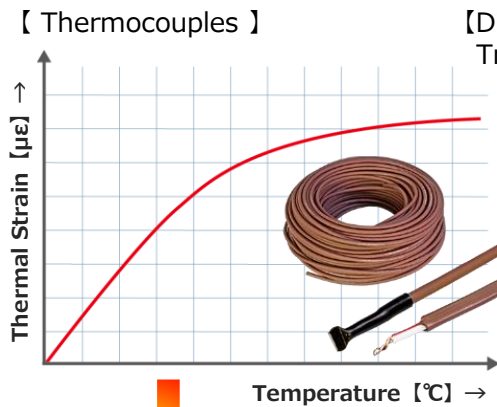
【 Examples of products 】

Thermocouples
T, K

Displacement Transducer
CDP(5mm~100mm)
CDP-M(5mm~100mm)

Strain Gauge
General use,
High Temperature Use

Axial force bolt
Bolt with embedded strain gauge
Bolt with pasted strain gauges on the surface with adhesive (load calibration compatible)



NEW T-ZACCS 9
TS-960

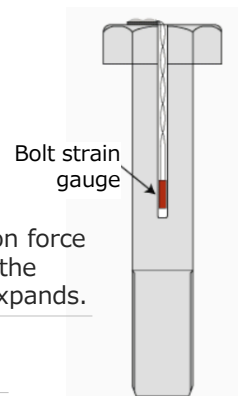


【 strain gauge 】



【 Axial force bolt 】

Axial bolt compression force is measurable when the lithium-ion battery expands.



Point

- ✓ Embedding and calibrating the strain gauge in M3 bolt (temperature characteristic test data)
- ✓ Compatible with strain gauges with the temperature measuring function.
Real-time display of principal strains, principal stresses, and temperature compensated strain data.
- ✓ Capable of real time measuring of axial force bolt data while processing temperature compensation

Load-calibrated test reports and temperature characteristic test data are provided.

In addition, the newly developed embedded strain gauge for machined 0.8 mm bore facilitates the embedding in the **M3 size**.

