



DD-Series

One-side Strain Gauges

DESCRIPTION

These gauges are intended for measuring the bending and tensile strains separately by simply bonding the gauges on one side of a plate or beam. It works on the assumption that the strain distribution in the section of the specimen is linear along the height of the section when the section is subjected to both tensile and bending stress. The gauges are effectively used for the measurement of a box construction in structures such as bridges or pressure vessels, where the reverse side of the measurement object is not accessible for strain gauge installation.

Operating temperature range

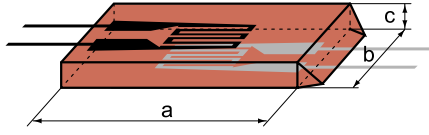
-10 ~ + 70°C

Applicable adhesives

CN - 10 ~ + 70°C
P-2 - 10 ~ + 70°C

Please specify the type number as shown in the example below.

DD -1 -15 (-F)
↑ ↑ ↑
Gauge series name Gauge length Gauge backing length Option F: LEAD-free soldering of strain gauge

Gauge pattern	Thickness of applicable specimen (mm)	Type	Gauge size(mm)		Backing size(mm)			Resistance Ω
			Length	Width	Length	Width	Thickness	
	Approx. 5 or less	DD-1-15	3	2.9	15	7	1	350
	Approx. 5 to 10	DD-2-30	3	2.9	30	7	2	350
	These strain gauges are not self-temperature-compensated. It may be necessary to measure a thermal output using a dummy specimen prior to the measurement. Minimum order quantity is 5 strain gauges.							