WATERPROOF STRAIN GAUGES

series WF



Operating temperature range

0°C +80°C

Temperature compensation range
+10°C +80°C

Length in meter and the specified integral leadwire with CE compliant

Applicable adhesives

Example of type nubmer designation

WFLA -3 -350 -11 -3LDBB-F

CN	0 ~ +80°C
P-2	0 ~ +80°C
EB-2	0 ~ +80°C

Suffix code for temperature compensation materials
-11: Mild steel -17: Stainless steel -23: Aluminium
For ordering, the above suffix code should be added to the basic

WATERPROOF STRAIN GAUGES

Gauge pattern	Basic type	Gauge size L W	Backing L W	Resist- ance Ω

These gauges eliminate the need for moisture-proofing coating, which is sometimes troublesome in a field test. They have an integral vinyl leadwire, and whole area of the strain gauges and the leadwire junction are coated with epoxy resin. The coating is transparent and flexible, so the positioning and bonding works are very easy. By merely bonding the gauges with CN or P-2 adhesive, outdoor or underwater measurement for a short-term becomes possible. These gauges are also effective in omitting primary coating in case of applying a multilayer coating.

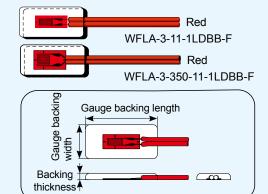
Single element: WFLA

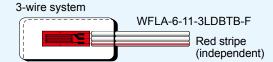
0.08mm² integral vinyl leadwire

Total leadwire resistance per meter : 0.44Ω

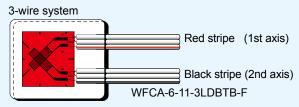
2-wire system

gauge type.

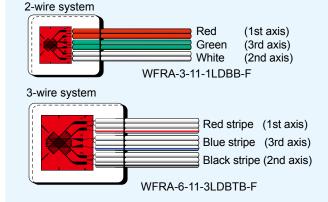




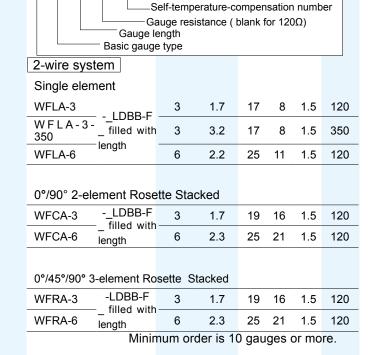
0°/90° 2-element stacked Rosette WFCA



0°/45°/90° 3-element stacked Rosette WFRA



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3-wire system

Quarter bridge 3-wire system is usable to avoid an unexpected effect of resistance change with temperature.

Slingle element

WFLA-3	LDBTB-F	3	1.7	17.0	8	1.5	120
WFLA-6	_ filled with length	6	2.2	25.0	11	1.5	120
0°/90° 2-e	lement Stack	ked					
WFCA-3	LDBTB-F	3	1.7	19	16	1.5	120
WFCA-6	_ filled with length	6	2.3	25	21	1.5	120
0°/45°/90° 3-element Rosette Stacked							
WFRA-3	LDBTB-F	3	1.7	19	16	1.5	120
WFRA-6	filled with length	6	2.3	25	21	1.5	120

Minimum order is 10 gauges or more.