WATERPROOF **STRAIN GAUGES**

series V



Rasic type

Operating temperature range +80°C 0°C Temperature compensation range +10°C (+80°C

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

Backing

L

Length in meter and the specified integral leadwire with CE compliant

Resist-

ance Ω

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

Gauge nattern

WATERPROOF STRAIN GAUGES

Guage pattern	Busic type	L W	
gauges eliminate the need for moisture-proofing which is sometimes troublesome in a field test. They integral vinul leadwire, and whole area of the strain	(

These g coating, v 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.

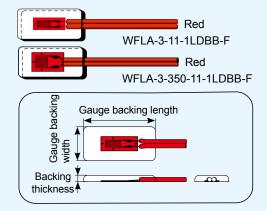
Single element : WFLA

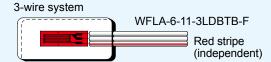
0.08mm² integral vinyl leadwire

Total leadwire resistance per meter : 0.44Ω

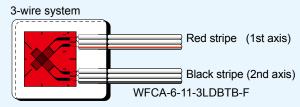
2-wire system

gauge type.

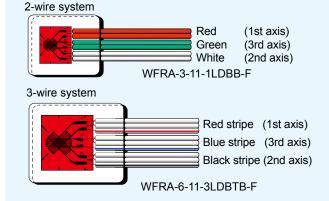


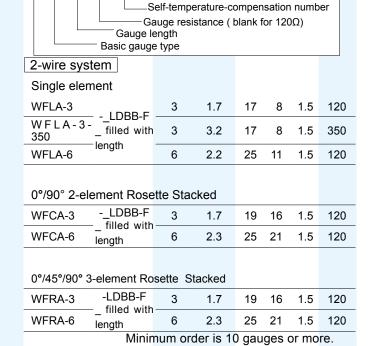


0°/90° 2-element stacked Rosette WFCA



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





Gauge size

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	J	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-element Stacked							
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.