



# Waterproof Strain Gauges WF series C€

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 multi-layer coating.

## Operating temperature range

0~+80°C

## Applicable adhesives

CN 0~+80°C

## Temperature compensation range

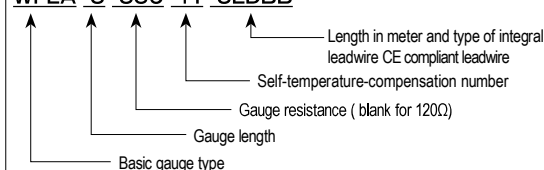
+10~+80°C

P-2 0~+80°C

EB-2 0~+80°C

## Example of type number designation

WFLA-3-350-11-3LDBB



## 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 type

Gauge pattern		Type	Gauge size(mm)		Backing size(mm)			Resistance Ω	
			Length	Width	Length	Width	Thickness		
<div>●Single axis</div> <div>0.08mm² integral vinyl leadwire</div> <div>Total leadwire resistance per meter : 0.44 Ω</div> <div>2-wire system</div> <div><div><div><div></div><div></div></div><div></div><div>Red</div></div><div>WFLA-3-11-1LDBB</div><div><div><div></div><div></div></div><div></div><div>Red</div></div><div>WFLA-3-350-11-1LDBB</div><div><div><div><div></div><div></div></div><div></div><div>Gauge backing length</div></div><div><div><div></div><div></div></div><div></div><div>Gauge backing width</div></div><div><div><div></div><div></div></div><div></div><div>Backing thickness</div></div></div></div>									
Single element	2-wire system	WFLA-3	3	1.7	17	8	1.5	120	
		WFLA-3-350	3	3.2	17	8	1.5	350	
		WFLA-6	6	2.2	25	11	1.5	120	
		2-element Rosette 0°/90°	WFCA-3	3	1.7	19	16	1.5	120
		WFCA-6	6	2.3	25	21	1.5	120	
		3-element Rosette 0°/45°/90°	WFRA-3	3	1.7	19	16	1.5	120
WFRA-6	6	2.3	25	21	1.5	120			
<div>●0° /45° /90° 3-axis Stacked type</div> <div>2-wire system</div> <div><div><div><div></div><div></div></div><div></div><div>Red (1st axis)</div></div><div>Green (3rd axis)</div><div>White (2nd axis)</div><div>WFRA-3-11-1LDBB</div></div>									
Single axis 3-wire system	3-wire system	WFLA-3	3	1.7	17	8	1.5	120	
		WFLA-6	6	2.2	25	11	1.5	120	
		2-element Rosette 0°/90°	WFCA-3	3	1.7	19	16	1.5	120
		WFCA-6	6	2.3	25	21	1.5	120	
0° /90° 2-element stacked Rosette 3-wire system	3-wire system	WFRA-3	3	1.7	19	16	1.5	120	
		WFRA-6	6	2.3	25	21	1.5	120	
<div>●0° /45° /90° 3-axis Stacked type</div> <div>3-wire system</div> <div><div><div><div></div><div></div></div><div></div><div>Red stripe (1st axis)</div></div><div>Black stripe (2nd axis)</div><div>WFCA-6-11-3LDBTB</div><div><div><div><div></div><div></div></div><div></div><div>Red stripe (1st axis)</div></div><div>Blue stripe (3rd axis)</div><div>Black stripe (2nd axis)</div><div>WFRA-6-11-3LDBTB</div></div></div>									

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