



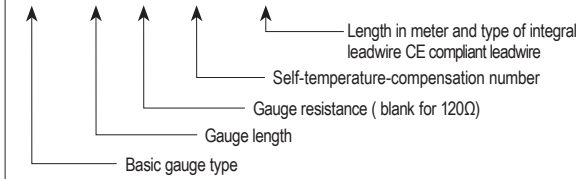
# Waterproof Strain Gauges WF series CE

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)			Resist- ance Ω		
		Length	Width	Length	Width	Thickness			
<p>● Single axis</p> <p>0.08mm<sup>2</sup> integral vinyl leadwire            Total leadwire resistance per meter : 0.44 Ω</p> <p>2-wire system</p> <p>WFLA-3-11-1LDBB            WFLA-3-350-11-1LDBB</p>	Single element	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-wire system	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
<p>● 0° /45° /90° 3-axis Stacked type</p> <p>2-wire system</p> <p>WFRA-3-11-1LDBB</p>	Single element	WFLA-3	3	1.7	17	8	1.5	120	
		WFLA-6	6	2.2	25	11	1.5	120	
	3-wire system	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
<p>● Single axis</p> <p>3-wire system</p> <p>WFLA-6-11-3LDBTB</p>	Single element	WFLA-3	3	1.7	17	8	1.5	120	
		WFLA-6	6	2.2	25	11	1.5	120	
	3-wire system	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
<p>● 0° /90° 2-element stacked Rosette</p> <p>3-wire system</p> <p>WFCA-6-11-3LDBTB</p>	Single element	WFLA-3	3	1.7	17	8	1.5	120	
		WFLA-6	6	2.2	25	11	1.5	120	
	3-wire system	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
<p>● 0° /45° /90° 3-axis Stacked type</p> <p>3-wire system</p> <p>WFRA-6-11-3LDBTB</p>	Single element	WFLA-3	3	1.7	17	8	1.5	120	
		WFLA-6	6	2.2	25	11	1.5	120	
	3-wire system	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

Minimum order quantity is 10 strain gauges.