





CRYOGENIC TEMPERATURE series "CF" STRAIN GAUGE



Compatible adhesive & Operational temperature
 EA-2A : -269~+50°C
 CN : -196~+80°C C-1 : -269~+80°C

Operational temperature -269~+80°C
 Temperature compensation range approximately -196~+80°C

CRYOGENIC TEMPERATURE USE

Gauge pattern	Type	Gauge size		Backing		Resistance in Ω	
		L	W	L	W		
<p>This is a foil gauge having an epoxy resin backing. The sensing element is made of special alloy. The gauge enables stable strain measurement in a cryogenic temperature as well as in a room temperature.</p> <p>●Single-element (G.F. 2.1 approx.)</p>  <p>CFLA-1-350</p>  <p>CFLA-6-350</p> <p>●90° 2-element Cross (G.F. 2.1 approx.) Plane type</p>  <p>CFCA-1-350</p> <p>●45°/90° 3-element Rosette (G.F. 2.1 approx.) Plane type</p>  <p>CFRA-1-350</p> <p>Each package contains 10 gauges.</p>		L : length	W : width (Unit : mm)				
	Single-element 350 Ω	CFLA-1-350-11 -17 -23	1	1.6	5.4	3.2	350
		CFLA-3-350-11 -17 -23	3	1.7	8.8	3.5	350
		CFLA-6-350-11 -17 -23	6	2.2	12.5	4.3	350
	90° 2-element Cross, Plane type 350 Ω	CFCA-1-350-11 -17 -23	1	1.3	7.2	7.2	350
		CFCA-3-350-11 -17 -23	3	1.7	11.0	11.0	350
	45°/90° 3-element Rosette, Plane type 350 Ω	CFRA-1-350-11 -17 -23	1	1.3	7.2	7.2	350
		CFRA-3-350-11 -17 -23	3	1.7	11.0	11.0	350

Leadwire-integrated CF series (made-to-order)

Operational temperature range varies with different materials of lead wire outer sheath. Before use, be sure the temperature range of lead wire.

Lead wires	Operational temperature range	Gauge type exemplified	Colors of Lead wire
3-wire strand FEP sheath wire	-269~+200°C	6F : CFLA-1-350-11-6FA-3LT	Red-Green-Blue (7-core 0.18mm-dia.)
		6F : CFLA-1-350-11-6FB-3LT	Red-Green-Blue (Single-core 0.2mm-dia.)




* Red is independent wire.

WIDE RANGE TEMPERATURE series "CEF" STRAIN GAUGE

Compatible adhesive & Operational temperature
 C-1 : -269~+200°C

Operational temperature -269~+200°C
 Temperature compensation range approximately -196~+80°C

WIDE RANGE TEMPERATURE USE

Gauge pattern	Type	Gauge size		Backing		Resistance in Ω	
		L	W	L	W		
 <p>CEFLA-1</p>  <p>CEFLA-3</p>  <p>CEFLA-6</p> <p>Each package contains 10 gauges.</p>		L : length	W : width (Unit : mm)				
	Single-element	CEFLA-1-11 -17 -23	1	0.5	4	2.2	120
		CEFLA-3-11 -17 -23	3	0.6	6.9	2.8	120
	CEFLA-6-11 -17 -23	6	1	10.6	3.1	120	