



Series "CF"

Cryogenic Temperature 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> <ul style="list-style-type: none"> Single-element (G.F. 2.1 approx.) <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;">(x3)</div> </div> <p>CFLA-1-350</p> <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;">(x3)</div> </div> <p>CFLA-6-350</p> <ul style="list-style-type: none"> 90° 2-element Cross (G.F. 2.1 approx.) <p>Plane type</p> <div style="display: flex; align-items: center;"> </div> <p>CFCA-1-350</p> <ul style="list-style-type: none"> 45°/90° 3-element Rosette (G.F. 2.1 approx.) <p>Plane type</p> <div style="display: flex; align-items: center;"> </div> <p>CFRA-1-350</p> <p>Each package contains 10 gauges.</p>		L : length W : width (Unit : mm)					
	Single-element 350Ω	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 350Ω	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 350Ω	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 of the temperature range of lead wire.

Lead wires	Operational temperature range	Gauge type example	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.

ALTHERIS bv

Scheveningseweg 15
 2517 KS DEN HAAG
 The Netherlands

+31 (0)70 3924421

+31 (0)70 3644249

Offices in : Benelux | Germany | France | UK | Italy | USA

www.altheris.com

sales@altheris.nl

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