COMPOSITE series "UBF"

Compatible adhesive & Operational temperature CN : -20~+120°C EB-2 : -30~+150°C

Operational temperature $-30 \sim +150^{\circ}$ C

Temperature compensation range

COMPOSITE MATERIALS USE

composite

0	T	Gauge size	Backing	Resistance						
Gauge pattern	гуре	LW	LŴ	in Ω						
The UBF gauge is designed for measurement on composite materials. It has a specially designed grid configuration to reduce the tightening effect of the gauge to the specimen. Developing soft carrier backing,		L:length V	/:width (Unit:	: mm)						
this series feature advanced characteristics of thermal cycle examination and gauge creep.	Static measurement : -30~+ Dynamic measurement : -30~+									
●Single element	UBFLA-03	0.3 1.9	3.4 2.5	120						
	UBFLA-1	1 1.3	4.5 2	120						
UBFLA-03 (×3)	Point									
UBFLA-01 (X3)	Composite materials such as GFRP (glass fibers) CFRP(carbon fibers), or AFRP(aramid fibers) for reinforced plastics have different elastic modulus and linear therma expansion coefficient depending on their fiber orientation. Fo strain measurement, consideration of materials property and fiber orientation should be taken.									
Leadwire-integral service is available on request.										

COMPOSITE series "BF"

 Compatible adhesive & Operational temperature

 CN
 : -20~+120°C
 NP-50 : -20~+200°C

 EB-2 : -20~+150°C

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Operational temperature $-20 \sim +200^{\circ}$ Temperature compensation range $+10 \sim +80^{\circ}$

COMPOSITE MATERIALS USE											
Gauge pattern		Туре		Gaug L	ge size W	Back L	ing W	Resistance in Ω			
This gauge is designed for measurement on composite material specially designed grid configuration to reduce the tightening gauge to the specimen. As the temperature compensation is material with thermal expansion coefficient of 3, 5 or 8ppm/°C, recommendable for ceramic, carbon, and composite materials.	als. It has a effect of the available for this series is			L : ler	ngth W	' : width	(Unit :	mm)			
●Single-element ■==== BFLA-2-3	Single- element	BFLA-2	-3	2	0.9	7.6	2.5	120			
		BFLA-5	-8	5	1.5	12.3	3.3	120			
●90° 2-element Cross Plane type											
 BFCA-2-3 045°/90° 3-element Rosette Plane type Image: state plane type 	90° 2-element	BFCA-2	-3	2	1.3	8	8	120			
	Plane type	BFCA-5	-8	5	1.5	11.5	11.5	120			
	45°/90° 3-element Rosette Plane type	BFRA-2	-3	2	1.3	8	8	120			
		BFRA-5	-8	5	1.5	11.5	11.5	120			
		- Point)								
Each package contains 10 gauges.		Composite materials such as GFRP (glass fi CFRP(carbon fibers), or AFRP(aramid fibers) for rein plastics have different elastic modulus and linear th expansion coefficient depending on their fiber orientatio strain measurement, consideration of materials proper fiber orientation should be taken.									
Leauwire-integral service is available on request.											

Tokyo Sokki Kenkyujo