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Series "UBF"



Description

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

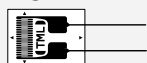
Operational temperature -30~+150°C
Temperature compensation range -

COMPOSITE MATERIALS USE

Gauge pattern

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, this series feature advanced characteristics of thermal cycle examination and gauge creep.

●Single element



UBFLA-03 (x3)



UBFLA-01 (x3)

Each package contains 10 gauges.
Leadwire-integral service is available on request.

Type

Gauge size
L W

Backing
L W

Resistance
in Ω

L : length W : width (Unit : mm)

Static measurement : -30~+120°C
Dynamic measurement : -30~+150°C

UBFLA-03

0.3 1.9 3.4 2.5 120

UBFLA-1

1 1.3 4.5 2 120

Info

Composite materials such as GFRP (glass fibers), CFRP (carbon fibers), or AFRP (aramid fibers) for reinforced plastics have different elastic modulus and linear thermal expansion coefficient depending on their fiber orientation.
For strain measurement, consideration of materials property and fiber orientation should be taken.