Strain Gauges LF series CE

GOBLET

This is a foil strain gauge utilizing special plastics for the backing. It has a grid designed for materials with low elastic modulus, and the stiffening effect on the measurement object is reduced. This strain gauge is CE marked (compliant to RoHS2 Directive) and has joined to our "GOBLET" series.

Operating temperature range −30～+80℃
Temperature compensation range +10～+80℃

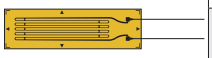
Applicable adhesives
CN-E −30～+80℃

Please specify the type number as shown in the example below.

LFLAB -10 -11 -3LJC-F

- -3LJC-F: Length in meter and type of integral leadwire CE compliant leadwire
- -11: Objective material for temperature compensation
- -10: Gauge length
- LFLAB: Gauge series name

Objective material for temperature compensation
(coefficient of linear thermal expansion ×10^{-6}/°C)
-11: Wood, Gypsum

Gauge pattern	Type	Gauge size(mm) Length	Gauge size(mm) Width	Backing size(mm) Length	Backing size(mm) Width	Resistance Ω
●Single axis						
 LFLAB-10-11	LFLAB-10-11	10	3.1	18.5	5.3	120

Minimum order quantity is 10 strain gauges.
These strain gauges are available with integral leadwires attached. (made to order)

Dedicated leadwire recommended for LF series strain gauges (made to order)

We supply various leadwires dedicated to strain gauges so as to meet our customers' requirements. Please refer to page 30 to 38 for the details of combination of a strain gauge and a leadwire. For CE marked GOBLET series strain gauges, only the leadwires using lead-free solder are available.

Type and designation of leadwires (GOBLET)

Usage	Leadwire name	Operating temperature range of leadwire (°C)	Type number example
General purpose (without temperature change)	Paralleled vinyl LJB-F Paralleled vinyl LJC-F	−20 ～+80	LFLAB-10-11-3LJB-F LFLAB-10-11-3LJC-F
General use	3-wire paralleled vinyl LJBT-F 3-wire paralleled vinyl LJCT-F	−20 ～+80	LFLAB-10-11-3LJBT-F LFLAB-10-11-3LJCT-F
1-Gauge 4-Wire measurement	Polypropyrene 4-wire paralleled LQM-F	−20 ～+80	LFLAB-10-11-3LQM-F (modular plug attached)