LOW ELASTIC STRAIN GAUGES

series LF

Operating temperature range

-20°C +80°C

Temperature compensation range
+10°C +80°C

Suffix code for temperature compensation materials -11: Wood, Gypsum

For ordering, the above suffix code should be added to the basic gauge type.





Applicable adhesives

CN-E

-20 ~ +80°C

Resist-

ance Ω

WOOD, GYPSUM USE

Gauge pattern Basic type Gauge size L W L W

These are foil strain gauges for the measurement on materials having low elastic modulus such as wood or gypsum. These specially designed grid reduces the stiffening effect of the strain gauges to the specimen material. They have a backing made of epoxy resin. These gauges are temperature-compensated for the material having a coefficient of thermal expansion of 11×10-6/°C.



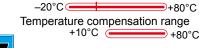
Example of type number designation LFLA-10 -11 -3LJC

Length in meter and type of leadwire
Self-temperature compensation number
Basic strain gauge type, gauge length

Single element LFLA-10-11 Each package contains 10 gauges. 10 3.1 18.5 5.3 120

WOODEN MATERIAL USE Series FOR LONG TERM PFL STRAIN GAUGES

Series PFLW/PLW



Operating temperature range

Suffix code for temperature compensation materials -11: Wood

wood

Single element

PFLW-30-11

PLW-60-11

Applicable adhesives

PS -20 ~ +80°C

W: width (Unit:mm)

Resist-

ance Ω

120

120

WOOD USE

Gauge pattern Basic type Gauge size Backing L W L W

These gauges are specially designed for long term measurement on wood. They have a metal foil lined on the back of the PFL or PL strain gauges. The metal foil is effective to protect the strain gauges from an influence of moisture in the wood. These gauges should be bonded with PS adhesive to make the best of their performance.

Example of type number designation

PFLW-30 -11 -3LJC

Length in meter and type of leadwire

Basic strain gauge type, gauge length

60

L: length

Self-temperature compensation number

2.3

1

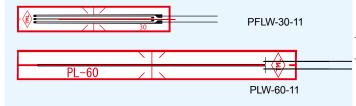
Each package contains 10 gauges.

40

74

8

Single element



The PFLW and PLW series are available with 1, 3 or 5m long in 2-wire parallel or 3-wire parallel vinyl leadwires.

Recommendable integral leadwire for PFLW/PLW series

Application	Leadwires	Operating temperature (°C)	Leadwire code exampled
General use (temperature unchanged during measurement)	Paralleled vinyl -LJB -LJC	-20~ +80	PFLW-30-11-3LJB/PLW-60-11-3LJB PFLW-30-11-3LJC/PLW-60-11-3LJC
General use	3-wire paralleled vinyl -LJBT -LJCT	-20~ +80	PFLW-30-11-3LJBT/PLW-60-11-3LJBT PFLW-30-11-3LJCT/PLW-60-11-3LJCT
1-gauge 4-wire measurement	0.08mm² polypropyrene 4-wire paralleled -LQM	-20~ +100	PFLW-30-11-3LQM/PLW-60-11-3LQM