

LOW ELASTIC STRAIN GAUGES series LF

Suffix code for temperature compensation materials

-11: Wood, Gypsum

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

Operating temperature range
-20°C +80°CTemperature compensation range
+10°C +80°C

Applicable adhesives CN-E -20 ~ +80°C

WOOD, GYPSUM USE

Gauge pattern	Basic type	Gauge size L W	Backing L W	Resistance Ω
<p>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 $11 \times 10^{-6}/^{\circ}\text{C}$.</p>				
	Single element LFLA-10-11	Each package contains 10 gauges. 10 3.1 18.5 5.3 120		

WOODEN MATERIAL USE Series PFLW/PLW STRAIN GAUGES

Suffix code for temperature compensation materials

-11: Wood



Operating temperature range

-20°C +80°C

Temperature compensation range

+10°C +80°C

Applicable adhesives PS -20 ~ +80°C

WOOD USE

Gauge pattern	Basic type	Gauge size L W	Backing L W	Resistance Ω
<p>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.</p>				L : length W : width (Unit:mm)
Single element PFLW-30-11	Single element PFLW-30-11	Each package contains 10 gauges. 30 2.3 40 7 120		
PLW-60-11	PLW-60-11	60 1 74 8 120		

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	0.08mm ² polypropylene 4-wire paralleled -LQM	-20~ +100	PFLW-30-11-3LQM/PLW-60-11-3LQM