

# LOW ELASTIC STRAIN GAUGES series LF

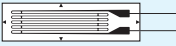


Operating temperature range  
 -20°C +80°C  
 Temperature compensation range  
 +10°C +80°C

Suffix code for temperature compensation materials  
 -11: Wood

Applicable adhesives 

CN-E	-20 to +80°C
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## 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, which is compliant to the strain on the specimen. These gauges are temperature-compensated for the material having a coefficient of thermal expansion of <math>11 \times 10^{-6}/^{\circ}\text{C}</math>.</p>  <p>Refer to pages 19~20 for applicable integral leadwires.</p>	<p> </p> <p>Single element LFLA-10-11</p>	<p>L : length W : width (Unit:mm)</p> <p>Each package contains 10 gauges. 10 3.1 18.5 5.3 120</p>		

## WOODEN MATERIAL USE Series FOR LONG TERM STRAIN GAUGES PFLW/PLW



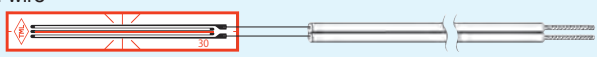


Operating temperature range  
 -20°C +80°C  
 Temperature compensation range  
 +10°C +80°C

Suffix code for temperature compensation materials  
 -11: Wood

Applicable adhesives 

PS	-20 to +80°C
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## COMPOSITE MATERIALS 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 the influence of moisture in the wood. These gauges should be bonded with PS adhesive to make the best of their performance.</p> <p><b>Single element</b></p>  <p>PFLW-30-11</p>  <p>PLW-60-11</p> <p>The PFLW and PLW series are available with an extension leadwire in 2-wire parallel (suffix code -L) or 3-wire parallel (suffix code -LT) vinyl leadwires.</p> <p><b>Single element</b>              0.11mm<sup>2</sup> integral vinyl sheath leadwire              Total leadwire resistance per meter : 0.32Ω</p> <p>2-wire   <p>PFLW-30-11-1L Not actual size</p> <p>3-wire   <p>PLW-60-11-3LT</p> <p>Blue stripe (independent)</p> <p>Refer to pages 19~20 for applicable integral leadwires.</p> </p></p>	<p></p> <p>Single element PFLW-30-11 PLW-60-11</p> <p>Single element -1L -3L -5L -3LT -5LT</p>	<p>L : length W : width (Unit:mm)</p> <p>Each package contains 10 gauges. 30 2.3 40 7 120 60 1 74 8 120</p> <p>Each package contains 10 gauges. 30 2.3 40 7 120 60 1 74 8 120</p>		