



# Strain Gauges PFLW/PLW series $\text{CE}$

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.

Operating temperature range	-20~+80°C	Applicable adhesives	PS
Temperature compensation range	+10~+80°C		-20~+80°C

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

**PFLW -30 -11 -3LJC-F**

Gauge pattern	Type	Gauge size(mm)		Backing size(mm)		Resistance $\Omega$
		Length	Width	Length	Width	
<p>● Single axis</p> <p>PFLW-30-11</p> <p>PLW-60-11</p>						
	PFLW-30-11	30	2.3	40	7	120
	PLW-60-11	60	1	74	8	120

Minimum order quantity is 10 strain gauges.

## Dedicated leadwire recommended for PFLW/PLW series strain gauges

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.

### Type and designation of leadwires

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	PFLW-30-11-3 <b>LJB-F</b> PFLW-30-11-3 <b>LJC-F</b>
General use	3-wire paralleled vinyl LJBT-F 3-wire paralleled vinyl LJCT-F	-20 ~ +80	PFLW-30-11-3 <b>LJBT-F</b> PFLW-30-11-3 <b>LJCT-F</b>
1-Gauge 4-Wire measurement	Polypropyrene 4-wire paralleled LQM-F	-20 ~ +80	PFLW-30-11-3 <b>LQM-F</b>