

POLYESTER STRAIN GAUGES

series P/PF

Operating temperature range
-20°C  +80°C


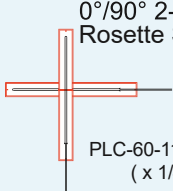
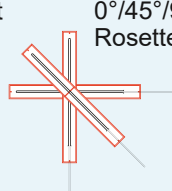



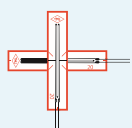
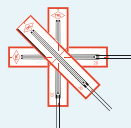
Temperature compensation range
+10°C  +80°C



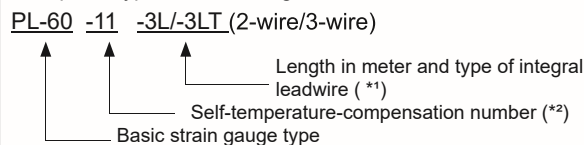
Applicable adhesives

CN-E	-20 ~ +80°C
RP-2	-20 ~ +80°C
PS	-20 ~ +80°C

STEEL, CONCRETE, MORTAR MATERIAL USE

Gauge pattern	Basic type	Gauge size		Backing		Resistance
		L	W	L	W	Ω
series P						
These are wire strain gauges utilizing a transparent plastic backing impregnated with polyester resin. The gauge length is available in 3 ranges of 60, 90 and 120mm, so it is suited to the measurement of concrete strain. Since the backing is transparent, the bonding position can easily be checked in the installation works.						
Single element	Single-element	Each package contains 10 gauges.				
	PL-60-11	60	1	74	8	120
	PL-90-11	90	1	104	8	120
	PL-120-11	120	1	134	8	120
	0°/90° 2-element Rosette Stacked	Each package contains 10 gauges.				
	PLC-60-11 (x 1/4)	60	1	74	74	120
	0°/45°/90° 3-element Rosette Stacked	Each package contains 10 gauges.				
	PLR-60-11 (x 1/4)	60	1	74	74	120
Refer to pages 19~20 for applicable integral leadwires.						
series PF						
These are foil strain gauges utilizing a polyester resin backing which is the same as the P series. The gauge length is available in 3 steps of 10, 20 and 30mm, so it is suited mainly to strain measurement on concrete or mortar. The backing is transparent and the installation is easy.						
Single element	Single element	Each package contains 10 gauges.				
	PFL-10-11	10	0.9	17.5	5	120
	PFL-20-11	20	1.2	28	6	120
	PFL-30-11	30	2.3	40	7	120
	0°/90° 2-element Rosette Stacked	Each package contains 10 gauges.				
	PFLC-20-11 (x 1/2)	20	1.2	28	28	120
	0°/45°/90° 3-element Rosette Stacked	Each package contains 10 gauges.				
	PFLR-20-11 (x 1/2)	20	1.2	28	28	120
	PFLR-30-11	30	2.3	40	40	120
Refer to pages 19~20 for applicable integral leadwires.						

Example of type number designation.



*1: Not mentioned for gauges without integral leadwire. Integral leadwire is not available for PLC-60 and PLR-60.

*2: P and PF series gauges are available for self-temperature-compensation with -11(Mild steel of 11ppm/°C)