

POLYESTER STRAIN GAUGES

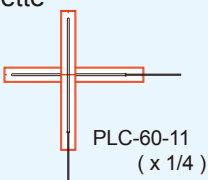
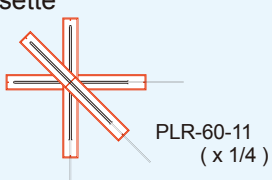
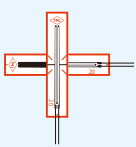
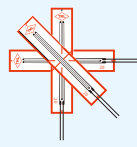
series P/PF

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

Applicable adhesives

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

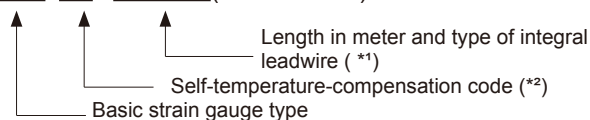
STEEL, CONCRETE, MORTAR MATERIAL USE

Gauge pattern	Basic type	Gauge size		Backing		Resistance Ω
		L	W	L	W	
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.						
		L : length W : width (Unit:mm)				
Single element	Single-element	Each package contains 10 gauges.				
 PL-60-11 Refer to pages 19~20 for applicable integral leadwires.	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 stacked Rosette	0°/45°/90° 3-element stacked Rosette	Each package contains 10 gauges.				
 PLC-60-11 (x 1/4)	0°/90° 2-element stacked Rosette					
	PLC-60-11	60	1	74	74	120
 PLR-60-11 (x 1/4)	0°/45°/90° 3-element stacked Rosette					
	PLR-60-11	60	1	74	74	120
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 ranges 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	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 stacked Rosette	0°/45°/90° 3-element stacked Rosette	Each package contains 10 gauges.				
 PFLC-20-11 (x 1/2)	0°/90° 2-element stacked Rosette					
	PFLC-20-11	20	1.2	28	28	120
 PFLR-20-11 (x 1/2)	0°/45°/90° 3-element stacked Rosette					
	PFLR-20-11	20	1.2	28	28	120
	PFLC-30-11	30	2.3	40	40	120
	PFLR-30-11	30	2.3	40	40	120

Refer to pages 19~20 for applicable integral leadwires.

Example of type number designation.

PL-60 -11 -3L/-3LT (2-wire/3-wire)



*1: No code for gauges without integral leadwire.

The integral leadwire is not available for PLC-60 and PLR-60.

*2: P and PF series gauges are only for Mild steel of 11ppm/°C.