



ε Series "PF"



Description

Compatible adhesive & Operational temperature
CN: - 20~ + 80°C
RP-2: - 20~ + 80°C

Operational temperature -20~+80°C
Temperature compensation range +10~+80°C

STEEL, CONCRETE, MORTAR MATERIALS USE						
Gauge pattern	Type	Gauge size		Backing		Resistance
		L	W	L	W	in Ω
		L : length		W : width (Unit : mm)		
<p>This is a foil strain gauge having polyester resin backing. It is mainly used for measurement on steel, concrete or mortar.</p>						
<p>● Single-element (G.F. 2.1 approx.)</p>						
 PFL-10-11	Single-element	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
<p>● 90° 2-element Cross (G.F. 2.1 approx.)</p>						
 PFLC-20-11	90° 2-element Cross	20	1.2	28	28	120
 PFLC-30-11		30	2.3	40	40	120

● 45° / 90° 3-element Rosette (G.F. 2.1 approx.)

45° / 90° 3-element Rosette

PFLR-20-11	20	1.2	28	28	120
PFLR-30-11	30	2.3	40	40	120

Each package contains 10 gauges.

Series "PF" Leadwire-integral Polyester Gauge

Description

Compatible adhesive & Operational temperature
 CN: - 20~ + 80°C
 PR-2: - 20~ + 80°C

Operational temperature -20~+80°C
 Temperature compensation range +10~+80°C

Quarter bridge with 3-wire system is usable to avoid an unexpected effect of resistance change with temperature.

STEEL, CONCRETE, MORTAR MATERIALS USE								
Gauge pattern	Type	Gauge size		Backing		Resistance in Ω		
		L	W	L	W		L : length	W : width (Unit : mm)
This gauge has a pre-attached vinyl lead wire to PF series. Works for lead wire connection such as strain gauge terminal installation and lead wire soldering are not required. It saves much time and labor. ● Single-element (G.F. 2.1 approx.) 0.11mm integral vinyl leadwire Total leadwire resistance per meter : 0.32Ω 2-wire system PFL-10-11-1L 3-wire system PFL-10-11-3LT Each package contains 10 gauges. Other gauges of PF series are also available with leadwire-integral service, contact Altheris. PFLC-30-11, PFLR-30-11 are not available for the service.	PFL-10-11	-1L	10	0.9	18	6	120	
	PFL-20-11	-5L -3LT	20	1.2	28	6	120	
	PFL-30-11	-5LT	30	2.3	40	7	120	