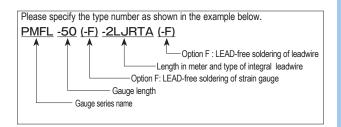
Mold Strain Gauges PMF series

These gauges are designed for the measurement of internal strain of concrete or mortar under loading test. These can also be used for short-term measurement of the behavior of concrete. These are embedded into the measurement position when the concrete or mortar is placed. The gauges employ super engineering plastics as the backing for sealing the sensing element, which provides excellent waterproofing.

A temperature-integrated type PMFL-T is available for measurement of both strain and temperature using our data loggers.

Operating temperature range $-20 \sim +60 ^{\circ} \text{C}$



Gauge pattern	Туре	Gauge Length(mm)	а	Backin b	g (mm) C	d	Resist- ance Ω	
Single axis								
3-wire system a Gauge length 2.6.	PMFL-50	50	60	Φ8	Φ4	27	120	
b	PMFL-60	60	70	Φ8	Φ4	32	120	
Black Green PMFL-50-2LJRTA Black Green Red (independent)	$0.09 mm^2$ 3-wire cross-linked vinyl leadwire of 2m $$ -2LJRTA Total leadwire resistance per meter : 0.4Ω							
 Temperature sensor integrated 3-wire system Refer to page 16 for details of Temperature-integrated strain gauge. 	PMFL-50T	50	60	Φ8	Φ4	27	120	
G-Wile System 1888 to page 18 to the term of the management states and granted states granted states granted states granted states and granted states granted states and granted states granted granted states granted states granted states granted granted states granted granted states granted gran	PMFL-60T	60	70	Ф8	Ф4	32	120	
PMFL-50T-3TLJBT Blue (Cu) White (Cu-Ni) Red (Cu-independent)	0.08mm² integral cross-linked vinyl leadwire of 3m -3TLJBT Total leadwire resistance per meter : 0.44 Ω (Loop resistance for copper core wires) * These gauges are made to order.							
	* These gauges are	made to order.						



For long-term measurement of concrete structure, use Strain Transducer KM

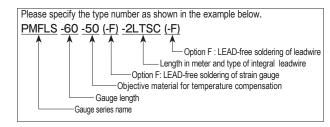


ASPHALT PAVEMENT

Asphalt Mold Strain Gauges PMFLS series

These gauges are embedded in asphalt and used for strain measurement in loading test such as rolling compaction. The material of the backing is super engineering plastics featuring high temperature resistivity and waterproofing performance. The gauges withstand a high temperature up to 200°C during placement of asphalt, and the operating temperature range is -20 to +60°C.

Operating temperature range −20~+60°C



Gauge pattern	Туре	Gauge Length(mm)	а	Back b	ting (mm) C	d	Resist- ance Ω	
Single axis								
3-wire system a	PMFLS-60-50	60	120	13	Approx. 7	60	120	
ь	$\Phi 6 mm$ 3-wire shielded chloroprene cable of 2m $$ -2LTSC Total leadwire resistance per meter : 0.11Ω							
d Black White								
PMFLS-60-50-2LTSC Red (independent) Shield								
Minimum order quantity is 1 strain gauge.								