PMF-Series
Mold Strain Gauges

DESCRIPTION

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.

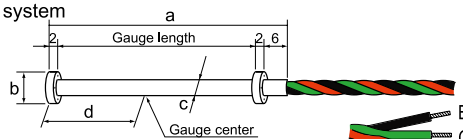
Operating temperature range	−20 ~ +60°C

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

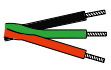
PMFL -50 (-F) -2LJRTA (-F)

- PMFL: Gauge series name
- -50: Gauge length
- (-F): Option F: LEAD-free soldering of strain gauge
- -2LJRTA: Length in meter and type of integral leadwire
- (-F): Option F : LEAD-free soldering of leadwire

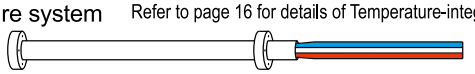
- Single axis
  3-wire system



PMFL-50-2LJRTA



- Temperature sensor integrated
  3-wire system — Refer to page 16 for details of Temperature-integrated strain gauge.



PMFL-50T-3TLJBT

Minimum order quantity is 10 strain gauges.

Type	Gauge Length(mm)	Backing (mm) a	b	c	d	Resistance Ω
PMFL-50	50	60	Φ8	Φ4	27	120
PMFL-60	60	70	Φ8	Φ4	32	120
0.09mm² 3-wire cross-linked vinyl leadwire of 2m -2LJRTA Total leadwire resistance per meter : 0.4Ω						
PMFL-50T	50	60	Φ8	Φ4	27	120
PMFL-60T	60	70	Φ8	Φ4	32	120
0.08mm² integral cross-linked vinyl leadwire of 3m -3TLJBT Total leadwire resistance per meter : 0.44Ω (Loop resistance for copper core wires) * These gauges are made to order.						

Note

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

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