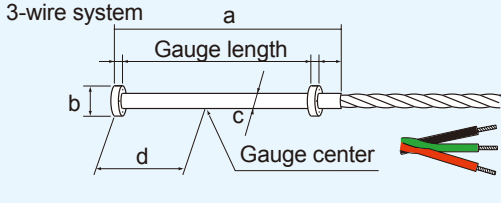
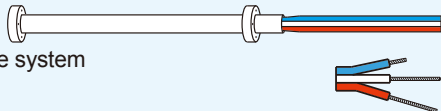


# MOLD STRAIN GAUGES

## series PMF

Operating temperature range  
 -20°C  +60°C

### CONCRETE, MORTAR MATERIAL USE

| Gauge pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Basic type | Gauge length (mm) | Backing                                                                                                                                                                 | Resistance $\Omega$ |          |    |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|----|-----|
| <p>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.</p> <p><b>Single element</b></p> <p>0.09mm<sup>2</sup> integral cross-linked vinyl insulated leadwire of 2m<br/>Total leadwire resistance per meter : 0.4<math>\Omega</math></p>  <p>3-wire system</p> <p>Black<br/>Green<br/>Red (independent)</p> |            |                   |   |                     |          |    |     |
| <p>For long-term measurement of concrete structure, use Strain Transducer KM (refer to page 63).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                   |                                                                                                                                                                         |                     |          |    |     |
| <p>Each package contains 10 gauges.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                   |                                                                                                                                                                         |                     |          |    |     |
| PMFL-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -2LT       | 50                | a                                                                                                                                                                       | b                   | c        | d  | 120 |
| PMFL-60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            | 60                | 70                                                                                                                                                                      | $\phi 8$            | $\phi 4$ | 27 |     |
| <p>Integral leadwire length other than 2m are available.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |                   |                                                                                                                                                                         |                     |          |    |     |
| <p>Each package contains 10 gauges.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                   |                                                                                                                                                                         |                     |          |    |     |
| PMFL-50T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -3LT       | 50                | a                                                                                                                                                                       | b                   | c        | d  | 120 |
| PMFL-60T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | 60                | 70                                                                                                                                                                      | $\phi 8$            | $\phi 4$ | 32 |     |
| <p>3-wire system</p>  <p>Blue (Cu)<br/>White (Cu-Ni)<br/>Red (Cu-independent)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                   |                                                                                                                                                                         |                     |          |    |     |