



Gages for Concrete

KM

- Gage Resistance 120Ω
- Applicable Linear Expansion Coefficient 11
- Self-temperature-compensation Range 0 to 50°C

Operating Temperature Range
-10 to 70°C


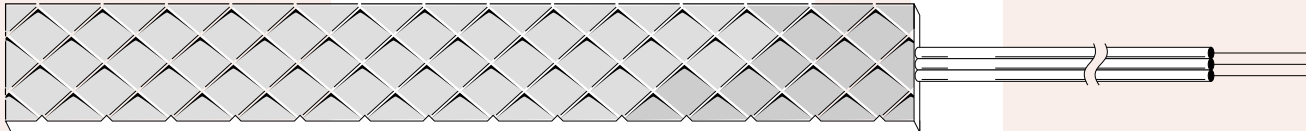
Types, lengths and codes of leadwire cables pre-attached to KM gages

| Type Length | KM-30 Vinyl-coated flat 2-wire cable | KM-120 Vinyl-coated flat 3-wire cable |
|--------------------|---|--|
| | H1 | H2 |
| 1 m | Y1M2 | W1M3 |
| 2 | Y2M2 | W2M3 |
| 3 | Y3M2 | W3M3 |
| 4 | Y4M2 | W4M3 |
| 5 | Y5M2 | W5M3 |
| 6 | Y6M2 | W6M3 |
| 8 | Y8M2 | W8M3 |
| 10 | Y10M2 | W10M3 |
| 15 | Y15M2 | W15M3 |
| 20 | Y20M2 | W20M3 |
| 30 m | Y30M2 | W30M3 |
| Oporg. temp. range | -10 to 70°C | |

Embedded Strain Gages

The KM gages are designed to be embedded in mortar or concrete for the purpose of measuring the internal stress. To ensure better adhesion to mortar or the like, the KM gages feature a specially treated surface. They also provide suitable waterproofness and elastic modulus for the intended purpose.

KM Gages ● Uniaxial 120Ω

| Pattern | Leadwire Cable – Type and Shape | Operating Temp. Range | Leadwire Length | Model |
|--|---------------------------------|-----------------------|-----------------|---|
| KM-30-120-H1-11  Uniaxial foil strain gage ● Gage Factor Approx. 1.8 ● Base Size 30 x 9 x 3 mm ● Gage Length 30 mm ● Pieces per Pack 1 | Vinyl-coated flat 2-wire cable | -10 to 70°C | 1m | KM-30-120-H1-11 Y1M2 |
| | | | 3m | KM-30-120-H1-11 Y3M2 |
| | | | 5m | KM-30-120-H1-11 Y5M2 |
| | | | | |
| KM-120-120-H2-11  Uniaxial wire strain gage ● Gage Factor Approx. 2.0 ● Base Size 120 x 15 x 5 mm ● Gage Length 120 mm ● Pieces per Pack 1 | Vinyl-coated flat 3-wire cable | -10 to 70°C | 1m | KM-120-120-H2-11 W1M3 |
| | | | 3m | KM-120-120-H2-11 W3M3 |
| | | | 5m | KM-120-120-H2-11 W5M3 |
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