

Strain Gages for Concrete

KM

● Gage Factor	Approx. 1.8, 2.0 (Reference value)
● Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$)	11
● Self-temperature-compensation Range	0 to 50°C

Operating Temperature Ranges
-10 to 70°C

■ Embedded Strain Gages RoHS

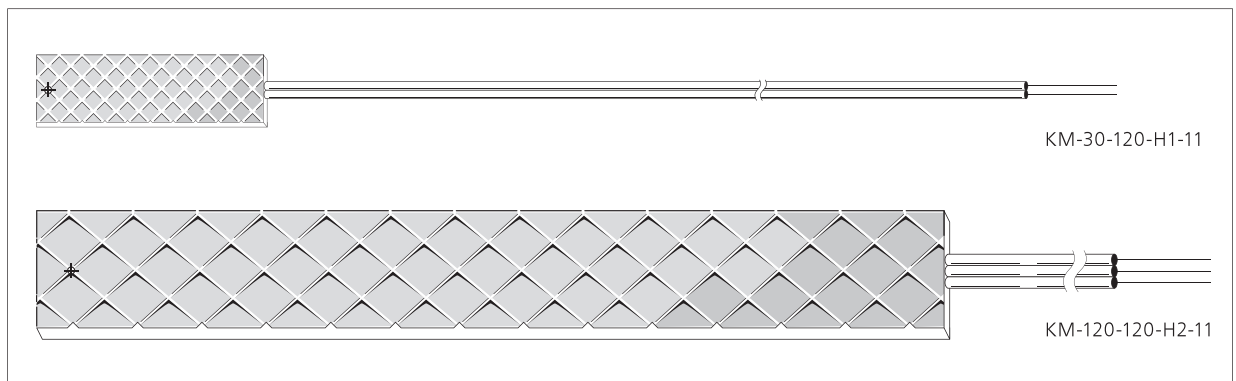
The KM series gages are designed to be embedded in mortar or concrete for the purpose of measuring internal stress. To ensure better adhesion to mortar or the like, the KM series gages feature a specially treated surface. They also provide suitable waterproofness and elastic modulus for the intended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

■ Types, lengths and codes of lead-wire cables pre-attached to KM gages

Type	KM-30 Vinyl-coated flat 2-wire cable	KM-120 Vinyl-coated flat 3-wire cable
Length	H1	H2
1 m	Y1M2	W1M3
3 m	Y3M2	W3M3
5 m	Y5M2	W5M3
Operating temp.	-10 to 70°C	

* For other lead-wire cable lengths, contact us.

KM ● Uniaxial



Models	KM-30-120-H1-11	KM-120-120-H2-11
Pattern	Uniaxial, foil strain gage with vinyl-coated flat 2-wire cable	Uniaxial, wire strain gage with vinyl-coated flat 3-wire cable
Gage Factor	Approx. 1.8	Approx. 2.0
Base	30 × 9 × 3 mm	120 × 15 × 5 mm
Gage (Grid)	10 mm	70 mm
Resistance	120 Ω	120 Ω
Pieces per Pack	1	1

When ordering, specify the model number as follows

KM-□-120-□-11 Lead-wire Cable Code

(e.g.)

KM-30-120-H1-11 Y1M2

*Values in □ and lead-wire cable code cannot be arbitrarily combined.

*Gage (Grid): Length