Pattern, Gage Resistance, Gage Factor	Model	Dimensions (mm) Grid Length	Grid Width	Base Length	Base Width	Remarks

●KM Series Embedded Strain Gages

When ordering, suffix the leadwire cable code (see table at the right) to the model number with a space in between.

Example :
KM-120-120-H2-11 W5M3
for the gage with a vinyl-coated flat 3-wire cable 5 m long

The KM series 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 series gages feature a specially treated surface. They also provide suitable waterproofness and elastic modulus for the intended purpose.

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 H1	KM-120 Vinyl-coated flat 3-wire cable H2	Type / Length	KM-30 Vinyl-coated flat 2-wire cable H1	KM-120 Vinyl-coated flat 3-wire cable H2
1 m	Y1M2	W1M3	8 m	Y8M2	W8M3
2	Y2M2	W2M3	9	Y9M2	W9M3
3	Y3M2	W3M3	10	Y10M2	W10M3
4	Y4M2	W4M3	15	Y15M2	W15M3
5	Y5M2	W5M3	20	Y20M2	W20M3
6	Y6M2	W6M3	25	Y25M2	W25M3
7	Y7M2	W7M3	30 m	Y30M2	W30M3
Oprg. temp. range	-10~70˚C				

Uniaxial foil strain gages with vinyl-coated flat 2-wire cable

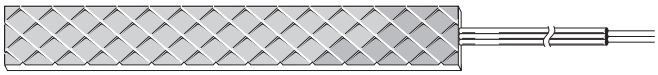
Resistance : 120Ω, Gage factor : Approx. 1.8

The following model with the leadwire cable code Y1M2 is delivered with a vinyl-coated flat 2-wire cable 1 m long pre-attached.

KM-30-120-H1-11 Y1M2	30×9×3	A minimum quantity 1 piece

Uniaxial foil strain gages with vinyl-coated flat 3-wire cable

Resistance : 120Ω, Gage factor : Approx. 2.0



The following model with the leadwire cable code W1M3 is delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.

KM-120-120-H2-11 W1M3	120×15×5	A minimum quantity 1 piece

●KMC Series Concrete-Embedded Strain Gages

The KMC series gages are designed to measure self-shrinkage and self-stress of cemented materials. They enable measurement of the self-shrinkage and high-fluidity concrete immediately after placing. They are also used effectively to check for cracks of cemented materials. Usually, a T-type thermocouple is installed near the gage, while the KMC series gages of H4 type do not require such the installation since they are equipped with a built-in thermocouple.

Uniaxial wire strain gages with vinyl-coated flat 3-wire cable 3 m long

Resistance : 120Ω

Normal temperature to 70˚C

The KMC series gages are available only with a vinyl-coated flat 3-wire cable 3 m long pre-attached.

KMC-70-120-H3	80×10×2	A minimum quantity 1 piece
KMC-70-120-H4	80×10×2	T-type thermocouple built in A minimum quantity 10 piece