

Strain Gages for Concrete

KFGS

● Gage Factor	Approx. 2.1
● Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$)	11
● Self-temperature-compensation Range	10 to 100°C

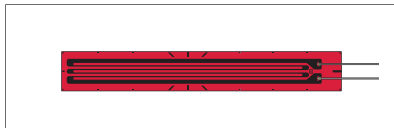
Applicable Adhesives and Operating Temperature Ranges
CC-35: -10 to 80°C

General-purpose Foil Strain Gages

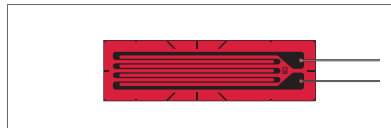
RoHS

Listed here are the KFGS series gages with a suitable lead-wire cable for strain measurement of concrete.

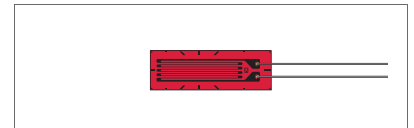
KFGS ● Uniaxial, Biaxial, Triaxial



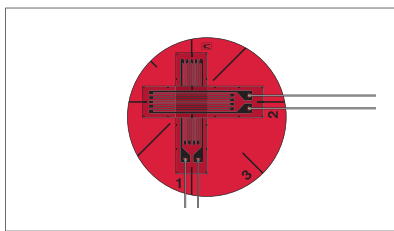
Models	KFGS-30-120-C1-11
Pattern	Uniaxial
Base	37 × 5.2 mm
Gage (Grid)	30 × 3.3 mm
Resistance	120 Ω
Pieces per Pack	10



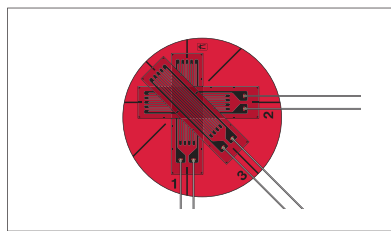
Models	KFGS-20-120-C1-11
Pattern	Uniaxial
Base	28 × 8 mm
Gage (Grid)	20 × 5 mm
Resistance	120 Ω
Pieces per Pack	10



Models	KFGS-10-120-C1-11
Pattern	Uniaxial
Base	16 × 5.2 mm
Gage (Grid)	10 × 3 mm
Resistance	120 Ω
Pieces per Pack	10



Models	KFGS-10-120-D16-11
Pattern	Biaxial, 0°/90° stacked rosette
Base	φ21
Gage (Grid)	10 × 3 mm
Resistance	120 Ω
Pieces per Pack	10



Models	KFGS-10-120-D17-11
Pattern	Triaxial, 0°/90°/45° stacked rosette for stress analysis
Base	φ21
Gage (Grid)	10 × 3 mm
Resistance	120 Ω
Pieces per Pack	10

When ordering, specify the model number as follows.

KFGS-□-120-□-11 Lead-wire Cable Code

(e.g.)

KFGS-30-120-C1-11 L1M3R

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

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R:L1M3S
		3 m	L3M3R:L3M3S
		5 m	L5M3R:L5M3S
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R:L1M2S
		3 m	L3M2R:L3M2S
		5 m	L5M2R:L5M2S
Mid-temperature 3-wire cable L-12	-100 to 150°C	1 m	R1M3
		3 m	R3M3
		5 m	R5M3
Mid-temperature 2-wire cable L-11	-100 to 150°C	1 m	R1M2
		3 m	R3M2
		5 m	R5M2
3 polyester-coated copper wires	-196 to 150°C	30 cm	N30C3
		50 cm, 1 m	N50C3
		1 m	N1M3
2 polyester-coated copper wires	-196 to 150°C	30 cm	N30C2
		50 cm, 1 m	N50C2
		1 m	N1M2
Silver-covered copper wires	-196 to 150°C	25 mm	

*Gage (Grid): Length × Width