Strain Gages

Outline

Lead-wire cable

General

Waterproof

Concrete

Composite material PCB Plastics

Ultra-small strain High temp. Low temp.

High elongation

Nonmagnetoresistive

Hydrogen gas Bending

With protector Embedded

Crack

Adhesive Coating agent

> Customdesigned

Gages for Concrete (KC)

Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm) Gage (Grid) Base Length Width Length Width	Remarks
Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm) Gage (Grid) Base Length Width Length Width	Remarks

KC Series Wire Strain Gages

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

RoHS

E.g.

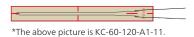
KC-120-120-A1-11 with a vinyl-coated flat 2-wire cable 5 m long

KC-120-120-A1-11 L5M2R

If no lead-wire cable code is suffixed, the gage is delivered with gage leads only. (Silver-covered copper wires 30 mm long)

Uniaxial

Resistance: 120Ω Gage factor: Approx. 2.1



Featuring a longer gage length, the KC series gages are wire strain gages suitable for mean strain measurement of concrete under test. Usually, a model with the gage length over 3 times longer than the maximum diameter of the aggregate (gravel, sand, etc.) is selected for the purpose.

Applicable Adhesives

	Operating Temp. after Curing the Adhesive			
EP-340	−55 to 150°C			
CC-35	_30 to 120°C			

■Types, lengths and codes of lead-wire cables pre-attached to KC series gages For other lead-wire cable lengths, contact us.

Туре	Vinyl-coated flat 2-wire cable			Vinyl-coated flat 3-wire cable						
Length	A1									
15 cm	L15C2R			L15C3R						
30 cm	L30C2R			L30C3R						
1 m	L1M2R			L1M3R						
3 m	L3M2R			L3M3R						
5 m	L5M2R			L5M3R						
Operating temp.	-10 to 80°C									
Remarks	L-6, L-9 for ≥ 6		L-7, L-10 for ≥ 6 m							
KC-120-120-A1-11		120	0.6	1	32	8				
KC-80-120-A1-11		84	0.6	9	95	8				
KC-70-120-A1-11		67	0.6	5 8	30	8				
KC-60-120-A1-11		60	0.6	7	74	8				

10 gages/ pkg