

# Gages for Concrete (KC)

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

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## ●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: 120 Ω

Gage factor: Approx. 2.1



\*The above picture is KC-60-120-A1-11.

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.

Type	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 m	L-7, L-10 for ≥ 6 m

KC-120-120-A1-11	120	0.6	132	8
KC-80-120-A1-11	84	0.6	95	8
KC-70-120-A1-11	67	0.6	80	8
KC-60-120-A1-11	60	0.6	74	8

10 gages/ pkg

Outline

Lead-wire cable

General

Waterproof

Concrete

Composite material  
PCB  
Plastics

Ultra-small strain  
High temp.  
Low temp.

High elongation

Non-  
magnetoresistive

Hydrogen gas  
Bending

With protector  
Embedded

Crack

Adhesive  
Coating agent

Custom-  
designed