

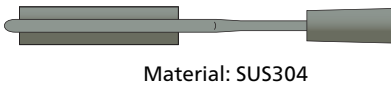
Waterproof Strain Gages (KCW)

KCW Series Weldable Waterproof Foil Strain Gages

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

E.g.
For the gage with a chloroprene-coated 3-wire cable 5 m long
→ **KCW-5-120-G10-11 G5M3S**

Uniaxial 1 element
With chloroprene 3-wire cable
Resistance: 120 Ω
Gage factor: Approx. 2.2



Material: SUS304

The KCW series foil strain gages are weldable gages, which do not require any coating treatment for use under high pressure or under water. The G10 type endures a water pressure of approximately 10 MPa.

Mounting Method and Operating Temperature
Spot welding: -20 to 100°C

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

Type Length	Chloroprene 3-wire cable	
	G10	
15 cm	G15C3S	
30 cm	G30C3S	
1 m	G1M3S	
3 m	G3M3S	
5 m	G5M3S	
Operating temp.	-20 to 100°C	

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

The following type is for 3 m of chloroprene 3-wire cable.

KCW-5-120-G10-11 G3M3S 5 - 21 5 Min. radius of curvature R20
2 gages/ pkg

10 gages/ pkg unless otherwise specified.



Strain Gages

Outline

Lead-wire cable

General

Waterproof

Concrete

Composite material
PCB
Plastics

Ultra-small strain
High temp.
Low temp.

High elongation

Non-
magnetostrictive

Hydrogen gas
Bending

With protector
Embedded

Crack

Adhesive
Coating agent

Custom-
designed