

Weldable Waterproof Foil Strain Gages

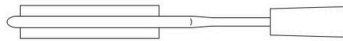
These weldable strain gages feature superior durability and environmental resistance. They require no coating even in extreme conditions (such as in high pressures or underwater), and can withstand a water pressure of approximately 10 MPa.

Operating Temperature

Operating Temperature	Installation Method
-20 to 100°C	Spot welding

Models

Patterns, Gage Resistance, Gage Factor	Model	Dimensions (mm)			Remarks
		Gage length	Flange		
			Length	Width	
Uniaxial 1 element	KCW-5-120-G10-11	5	21	5	Material: SUS304 (Equivalent)



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

	Chloroprene 3-wire cable
	G10
15 cm	G15C3S
30 cm	G30C3S
1 m	G1M3S
3 m	G3M3S
5 m	G5M3S

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

How to order

When ordering, suffix the lead-wire cable code to the model number with a space in between.
E.g. KCW-5-120-G10-11 with a chloroprene-coated 3-wire cable
5 m long → **KCW-5-120-G10-11 G5M3S**
*2 gages/pkg

Sensor



Strain Gage

Load Cell

Pressure
Sensor

Acceleration
Sensor

Torque
Sensor

Displacement
Sensor

Component
Force
Sensor

Automotive
Sensor

Civil
Engineering
Sensor

Strain Gages for Measuring Axial Tension of Bolts

These strain gages can measure the fastening stress of a bolt when embedded in a $\phi 2$ hole drilled into the head of the bolt.

*A bolt axial force sensor consisting of a strain gage embedded in a bolt you supply can also be made (page 6-2).

Operating Temperature

Operating Temperature	Applicable Adhesives
normal temp. to 50°C	EP-370

Models

Patterns, Gage Resistance, Gage Factor	Model	Dimensions (mm)				Remarks
		Gage (Grid)		Base		
		Length	Width	Length	Width	
Uniaxial	KFB-3-120-C20-11 N5C2	3	Approx. 6	11.5	ϕ1.9	
	KFB-1.5-120-C20-11 N5C2	1.5	Approx. 6	5	ϕ1.9	



How to order

$\phi 0.14$ Polyester-coated copper cable 5 cm long
*5 gages/pkg