

## Waterproof Strain Gages

# KCW

### Types, lengths and codes of leadwire cables pre-attached to KCW gages

Type	Polyethylene-coated cross-link 3-wire cable
Length	G10
15 cm	G15C3S
30	G30C3S
50	G50C3S
1 m	G1M3S
2	G2M3S
3	G3M3S
4	G4M3S
5	G5M3S
6	G6M3S
8	G8M3S
10	G10M3S
15	G15M3S
20	G20M3S
30 m	G30M3S
Oprg. temp. range	-20 to 100°C

● Applicable Linear Expansion Coefficient	11
● Self-temperature-compensation Range	10 to 90°C
● Base Size	21 x 5 mm
● Gage Length	5mm

### Mounting Method and Operating Temperature Range

Spot welding: -20 to 100°C

### Weldable Waterproof Foil Strain Gages

The KCW gages are weldable foil strain gages ensuring easy handling in the field. They require no coating for use under severe underwater conditions.

The KCW gages are available in 2 types. The G10 incorporates 1 element and the G14, 4 elements.

Withstand water pressure

G10 Approx. 10MPa (Approx. 100kgf/cm<sup>2</sup>)

G14 Approx. 1MPa (Approx. 10kgf/cm<sup>2</sup>)

## KCW Gages ● Uniaxial 120Ω/350Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model
KCW-5-120-G10-11	Polyethylene-coated cross-link 3-wire shielded cable Minimum radius of curvature: R20	-20 to 100°C	1m	KCW-5-120-G10-11 G1M3S
			3m	KCW-5-120-G10-11 G3M3S
			5m	KCW-5-120-G10-11 G5M3S
KCW-5-350-G14S-11	Minimum radius of curvature: R20	-20 to 100°C	3m	KCW-5-350-G14S-11

  

<b>Uniaxial</b>	● Gage Factor	Approx. 2.2
	● Gage Resistance	120Ω
	● Pieces per Pack	2

  

<b>Full-bridge</b>	● Gage Factor	Approx. 4.3
	● Gage Resistance	350Ω
	● Pieces per Pack	1