Waterproof Strain Gages (KFWS & KCW)

Patterns, Gage Resistance, Gage Factor	Models	Dimension		
		Grid	Base	Remarks
		Length Width	Length Width	

KFWS Series Small-sized Waterproof Foil Strain Gages

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The KFWS series foil strain gages are small-sized waterproof gages suitable for outdoor or underwater strain measurement where gage bonding space is limited. The waterproof resin is as thin as 1.3 mm, making them flexible enough to be bonded to a curved surface of 10 mm diameter.

Applicable Adhesives

	Operating Temp. after Curing the Adhesive		
CC-33A	−10 to 80°C		
CC-36	−10 to 80°C		

■Types, lengths and codes of lead-wire cables pre-attached to KFWS series 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 vinyl-coated flat 2-wire cable 3 m long

→ KFWS-2N-120-C1-11 L3M2R

Uniaxial

Resistance: 120Ω Gage factor: Approx. 2.1



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Туре	Vinyl-coated flat 2-wire cable		Vinyl-coated flat 3-wire cable		
Length	C1	D16	C1	D16	
15 cm	L15C2R	L15C2S	L15C3R	L15C3S	
30 cm	L30C2R	L30C2S	L30C3R	L30C3S	
1 m	L1M2R	L1M2S	L1M3R	L1M3S	
3 m	L3M2R	L3M2S	L3M3R	L3M3S	
5 m	L5M2R	L5M2S	L5M3R	L5M3S	
Operating temp.	−10 to 80°C				
Remarks	L-6, L-9 for ≥ 6 m		L-7, L-10 for ≥ 6 m		

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

The following models are delivered with a vinyl-coated flat 3-wire cable 5 m long pre-attached.

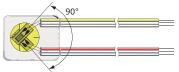
KFWS-2N-120-C1-11 L5M3R		
KFWS-2N-120-C1-16 L5M3R	2	0.
VEVAC 2NI 120 C1 22 LEM2D		

2 0.84 15

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Biaxial, 0°/90° stacked rosette

Resistance: 120Ω Gage factor: Approx. 2.1



The following models are delivered with a vinyl-coated flat 3-wire cable 5m long pre-attached.

3	-			
KFWS-2-120-D16-11 L5M3S				
KFWS-2-120-D16-16 L5M3S	2	1.2	15	12
KFWS-2-120-D16-23 L5M3S				

Patterns, Gage Resistance, Gage Factor	Models	Dimensi		
		Grid	Base	Remarks
		Length Width	Length Width	

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: 120Ω Gage factor: Approx. 2.2



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 Range Spot welding: -20 to 100°C

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

Туре	Chloroprene 3-wire cable
Length	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.					Min. radius of curvature R20
KCW-5-120-G10-11 G3M3S	5	_	21	5	2 gages/ pkg