

Waterproof Strain Gages

KFWS

RoHS

● Gage Factor	Approx. 2.1
● Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$)	11, 16, 23
● Self-temperature-compensation Range	10 to 80°C

Applicable Adhesives and Operating Temperature Ranges

CC-33A:	-10 to 80°C
CC-36:	-10 to 80°C
EP-340:	-10 to 80°C

Small-sized Waterproof Foil Strain Gages

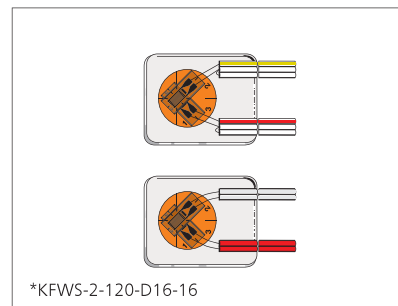
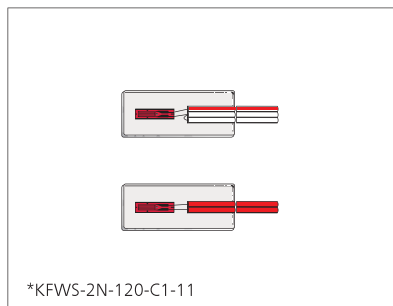
The KFWS series foil strain gages are small-sized waterproof gages suitable for outdoor or underwater strain measurement where gage bonding space is limited. The waterproof resin is as thin as 1.3 mm, making them flexible enough to be bonded to a curved surface of 10 mm diameter.

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

Type Length	Vinyl-coated flat 2-wire cable		Vinyl-coated flat 3-wire cable	
	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.

KFWS ● Uniaxial, Biaxial



Models	KFWS-2N-120-C1-	11 16 23
Pattern	Uniaxial	
Base	15 × 6 mm	
Gage (Grid)	2 × 0.84 mm	
Resistance	120 Ω	
Pieces per Pack	10	

Models	KFWS-2-120-D16-	11 16 23
Pattern	Biaxial, 0°/90° stacked rosette	
Base	15 × 12 mm	
Gage (Grid)	2 × 1.2 mm	
Resistance	120 Ω	
Pieces per Pack	10	

When ordering, specify the model number as follows.

KFWS-□-120-□-□ Lead-wire Cable Code

(e.g.)

KFWS-2N-120-C1-11 L1M3R

*Values in □ and lead-wire cable code cannot be arbitrarily combined.

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R L1M3S
		3 m	L3M3R L3M3S
		5 m	L5M3R L5M3S
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R L1M2S
		3 m	L3M2R L3M2S
		5 m	L5M2R L5M2S

*Gage (Grid): Length × Width