

Waterproof Strain Gages KFW

Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm)				Remarks
		Grid		Base		
		Length	Width	Length	Width	



●KFW Series Waterproof Foil Strain Gages

The KFW series foil strain gages have the surface covered with a special resin for waterproof. The waterproof structure enables these gages to serve for outdoor or underwater measurement merely by being bonded to measuring objects. The insulation resistance shows virtually no deterioration even after 100 hours of use under an underwater pressure of approximately 10 MPa. In addition, the covering resin is flexible enough to enable easy bonding to curved surfaces.

Applicable Adhesives and Operating Temperature Range after Curing

CC-33A: -10 to 80°C CC-36: -10 to 80°C EP-180: -10 to 80°C

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

Types	Vinyl-coated flat 2-wire cable		Vinyl-coated flat 3-wire cable	
				
Length	C1	D16, D17	C1	D16, D17
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
Oprg. temp. range	-10 to 80°C			
Remarks	L-6, L-9 for 6 m or longer		L-7, L-10 for 6 m or longer	

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

E.g.

KFW-5-120-C1-11 L2M2R

for the gage with a vinyl-coated flat 2-wire cable 2 m long

KFW-5-120-D17-11 L5M3S

for the gage with a vinyl-coated flat 3-wire cable 5 m long

These gages are also available with 350Ω resistance.

* For other lead wire cable lengths, contact us.

Notes on pre-attached lead wire cables

- Standard color of the 2-wire cable pre-attached to uniaxial gages is red (R). If desired, a white, green, yellow or black cable can be pre-attached.
- Standard 3-wire cable pre-attached to uniaxial gages has red stripes (R). If desired, the red stripes can be changed to blue or yellow stripes.
- In the case of a biaxial gage, 2-wire cables are color-coded with red and white stripes for 0° and 90°, respectively and 3-wire cables, with red and yellow stripes for 0° and 90°, respectively.
- In the case of a triaxial gage, 2-wire cables are color-coded with red, white and green stripes for 0°, 90°, and 45°, respectively and 3-wire cables, with red, yellow and blue stripes for 0°, 90°, and 45°, respectively.

Uniaxial

Resistance: 120 Ω

Gage factor: Approx. 2.1



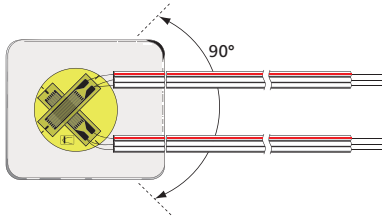
The following models with the lead wire cable code L1M3R are delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.

KFW-5-120-C1-11 L1M3R					
KFW-5-120-C1-16 L1M3R	5	2	30	12	
KFW-5-120-C1-23 L1M3R					
KFW-2-120-C1-11 L1M3R					
KFW-2-120-C1-16 L1M3R	2	2.3	30	12	
KFW-2-120-C1-23 L1M3R					

Biaxial, 0°/90° stacked rosette

Resistance: 120 Ω

Gage factor: Approx. 2.1



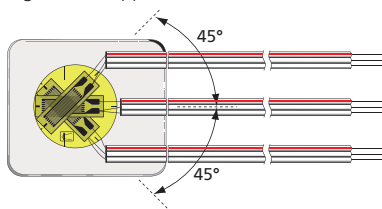
The following models with the lead wire cable code L1M3R are delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.

KFW-5-120-D16-11 L1M3S					
KFW-5-120-D16-16 L1M3S	5	2	21	18	A min. qty 5 PC.
KFW-5-120-D16-23 L1M3S					
KFW-2-120-D16-11 L1M3S					
KFW-2-120-D16-16 L1M3S	2	1.4	21	18	A min. qty 5 PC.
KFW-2-120-D16-23 L1M3S					

Triaxial, 0°/90°/45° stacked rosette

Resistance: 120 Ω

Gage factor: Approx. 2.1



The following models with the lead wire cable code L1M3R are delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.

KFW-5-120-D17-11 L1M3S					
KFW-5-120-D17-16 L1M3S	5	2	21	18	A min. qty 5 PC.
KFW-5-120-D17-23 L1M3S					
KFW-2-120-D17-11 L1M3S					
KFW-2-120-D17-16 L1M3S	2	1.4	21	18	A min. qty 5 PC.
KFW-2-120-D17-23 L1M3S					

A min. qty 10 PC.