Waterproof Strain Gages KFWB

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

●KFWB Series Waterproof Foil Strain Gages NEW

CE

The KFWB 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

Adhesives	Operating Temp. after Gluing the Gages
CC-33A	–10 to 80°C
CC-36	–10 to 80°C
EP-340	–10 to 80°C

■Types, lengths and codes of lead-wire cables pre-attached to KFWB 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.
KFWB-5-120-C1-11 L2M2R
for the gage with a vinyl-coated flat 2-wire cable 2 m long
KFWB-5-120-D17-11 L5M3S
for the gage with a vinyl-coated flat 3-wire cable 5 m long

Types / Length	Vinyl-coated flat 2-wire cable  C1	Vinyl-coated flat 2-wire cable D16, D17	Vinyl-coated flat 3-wire cable  C1	Vinyl-coated flat 3-wire cable 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
Operating temp.	–10 to 80°C			
Remarks	L-6, L-9 for ≥ 6 m		L-7, L-10 for ≥ 6 m	

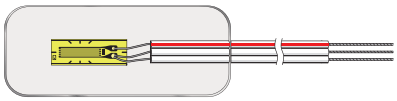
＊For other lead-wire cable lengths, contact us.

Notes on pre-attached lead-wire cables
- Standard color of the 2-wire cable pre-attached to uniaxial gages is red (R). If desired, allows a white, green, yellow or black cable to be pre-attached.
- Standard 3-wire cable pre-attached to uniaxial gages has red stripes (R). If desired, allows the red stripes to 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.

These gages are also available with 350Ω resistance.

Uniaxial

Resistance: 120 Ω
Gage factor: Approx. 2.1

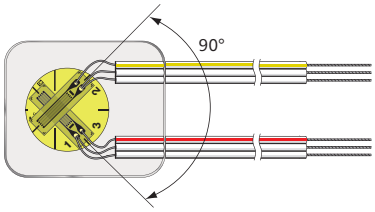


The following models with the lead-wire cable code L1M3R are delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.

KFWB-5-120-C1-11 L1M3R KFWB-5-120-C1-16 L1M3R KFWB-5-120-C1-23 L1M3R	5	2	30	12	10 gages/ pkg
KFWB-2-120-C1-11 L1M3R KFWB-2-120-C1-16 L1M3R KFWB-2-120-C1-23 L1M3R	2	2.3	30	12	10 gages/ pkg

Biaxial, 0°/90° stacked rosette

Resistance: 120 Ω
Gage factor: Approx. 2.1

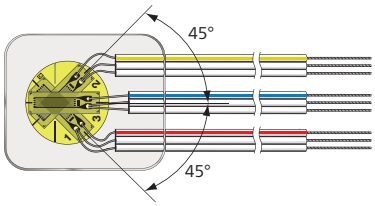


The following models with the lead-wire cable code L1M3R are delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.

KFWB-5-120-D16-11 L1M3S KFWB-5-120-D16-16 L1M3S KFWB-5-120-D16-23 L1M3S	5	2	21	18	5 gages/ pkg
KFWB-2-120-D16-11 L1M3S KFWB-2-120-D16-16 L1M3S KFWB-2-120-D16-23 L1M3S	2	1.4	21	18	5 gages/ pkg

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.

KFWB-5-120-D17-11 L1M3S KFWB-5-120-D17-16 L1M3S KFWB-5-120-D17-23 L1M3S	5	2	21	18	5 gages/ pkg
KFWB-2-120-D17-11 L1M3S KFWB-2-120-D17-16 L1M3S KFWB-2-120-D17-23 L1M3S	2	1.4	21	18	5 gages/ pkg