# Strain Gages

Ultra-small strain

High elongation

Non magnetoresistive

Hydrogen gas Bending

With protector Embedded

Crack

Adhesive Coating agent

> Customdesigned

# Waterproof Strain Gages (KFWB)

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

## ●KFWB Series Waterproof Foil Strain Gages NEW

RoHS

in between.

2-wire cable 2 m long → KFWB-5-120-C1-11 L2M2R For the gage with a vinyl-coated flat

3-wire cable 5 m long

The surface of the KFWB series foil strain gage is covered with a special waterproof resin. 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** 

	Operating Temp. after Curing the Adhesive			
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

Туре	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		
Operating temp.	−10 to 80°C					
Remarks	L-6, L-9 f	or≥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
- Standard 3-wire cable pre-attached to unlaxial gages has red stripes (k). If desired, allows the red stripes to be changed to blue or yellow stripes.
   In the case of a biaxial gage and 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.
   The letter code is S in common.

#### Uniaxial

resistance.

Resistance: 120 Ω Gac

When ordering, suffix the lead-wire cable code (see table at the right) to the model number with a space

For the gage with a vinyl-coated flat

→ KFWB-5-120-D17-11 L5M3S

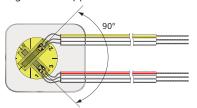
These gages are also available with  $350\Omega$ 

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

ige factor: Approx. 2.1	KFWB-5-120-C1-11 L1M3R					
	KFWB-5-120-C1-16 L1M3R	5	1.4	30	12	
	KFWB-5-120-C1-23 L1M3R					
	KFWB-2-120-C1-11 L1M3R					
	KFWB-2-120-C1-16 L1M3R	2	1.2	30	12	
	KEWR-2-120-C1-23 L1M3R					

## Biaxial, 0°/90° stacked rosette

Resistance: 120 Ω Gage factor: Approx. 2.1

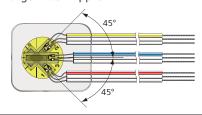


The following models are delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.

KFWB-5-120-D16-11 L1M3S					
KFWB-5-120-D16-16 L1M3S	5	1.4	21	18	5 gages/ pkg
KFWB-5-120-D16-23 L1M3S					
KFWB-2-120-D16-11 L1M3S					
KFWB-2-120-D16-16 L1M3S	2	1.2	21	18	5 gages/ pkg
VEVA/D 2 120 D16 22 I 1M2C					

### Triaxial, 0°/90°/45° stacked rosette

Resistance: 120 Ω Gage factor: Approx. 2.1



The following models are delivered with a vinyi-coated flat 5-wire cable 1 m long pre-attached.						
KFWB-5-120-D17-11 L1M3S						
KFWB-5-120-D17-16 L1M3S	5	1.4	21	18	5 gages/ pkg	
KFWB-5-120-D17-23 L1M3S						
KFWB-2-120-D17-11 L1M3S						
KFWB-2-120-D17-16 L1M3S	2	1.2	21	18	5 gages/ pkg	
KFWR-2-120-D17-23 L1M3S						