High elongation

Nonmagnetoresistive

Hydrogen gas Bending

With protector Embedded

Crack

Adhesive Coating agent

> Customdesigned

## **Low-temperature Gages (KFLB)**

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

### KFLB Series Low-temperature Foil Strain Gages

## **RoHS**

The gage element is made of NiCr alloy, which exhibits excellent characteristics under low-temperature environments and is sandwiched between polyimide films. Thus, the KFLB series gages are suitable for strain measurement of tanks and vessels containing low-temperature liquids such as LNG and LPG.

#### **Applicable Adhesives**

	Operating Temp. after Curing the Adhesive			
EP-270	−269 to 30°C			
PC-600	−269 to 150°C			
CC-33A	−196 to 120°C			

■Types, lengths and codes of lead-wire cables pre-attached to KFLB series gages For other lead-wire cable lengths, contact us.

Type	2 polyester-coated	3 polyester-coated	Mid-temperature	Mid-temperature	Fluoroplastic-coated		
	copper wires	copper wires	2-wire cable	3-wire cable	high/low-temp. 3-wire cable		
Length			C1, D25				
15 cm	N15C2	N15C3	R15C2	R15C3	F15C3		
30 cm	N30C2	N30C3	R30C2	R30C3	F30C3		
1 m	N1M2	N1M3	R1M2	R1M3	F1M3		
3 m			R3M2	R3M3	F3M3		
5 m			R5M2	R5M3	F5M3		
Operating temp.	–196 to	150°C	-100 to	150°C	-196 to 150°C*1		
Remarks	Twisted fo	or ≥ 50 cm	L-11*2 L-12*2		L-3*2		

\*1 -196°C: Because the gage leads are polyester-coated copper wires.

## Resistance: 350 $\Omega$ Gage factor: Approx. 2.0

Uniaxial 350 Ω gages

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

high/low-temperature 3-wire cable 5 m

If no lead-wire cable code is suffixed, the gage is delivered with gage leads only. (Silver-covered copper wires 25 mm

<del></del>		

\*The above picture is KFLB-30-350-C1-5.

10	gages/	nka	
10	dades/	nka	

KFLB-30-350-C1-5 KFLB-30-350-C1-11

30 2.7

36 5.2

10 gages/ pkg
Mainly for lumber
Mainly for concrete

#### Uniaxial

in between.

KFLB-5-120-C1-11 with a

→ KFLB-5-120-C1-11 F5M3

fluoroplastic-coated

long pre-attached

E.g.

long)

Resistance:  $120 \Omega$ Gage factor: Approx. 2.0

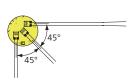


These KFLB series gages are also available with the gage resistance of 350 $\Omega$ . The size is slightly different from 120 $\Omega$  gages.

KFLB-5-120-C1-11					
KFLB-5-120-C1-16	5	2.5	10	3.7	10 gages/ pkg
KFLB-5-120-C1-23					
KFLB-2-120-C1-11					
KFLB-2-120-C1-16	2	2.5	6	3.7	10 gages/ pkg
KFLB-2-120-C1-23					
KFLB-1-120-C1-11					
KFLB-1-120-C1-16	1	1.5	4	2.7	10 gages/ pkg
KFLB-1-120-C1-23					
KFLB-05-120-C1-11					
KFLB-05-120-C1-16	0.5	1.4	3.3	2.7	10 gages/ pkg
KFLB-05-120-C1-23					
KFLB-02-120-C1-11					
KFLB-02-120-C1-16	0.2	1	2.5	2.2	10 gages/ pkg
KFLB-02-120-C1-23					

# \*The above picture is KFLB-5-120-C1-11. Triaxial, 0°/90°/45°

Resistance:  $120 \Omega$ Gage factor: Approx. 2.0



These KFLB series gages are also available with the gage resistance of 350 $\Omega$ . The size is slightly different from 120 $\Omega$  gages.

KFLB-1-120-D25-11				
KFLB-1-120-D25-16	1	1.5	φ8	5 gages/ pkg
KFLB-1-120-D25-23				
KFLB-05-120-D25-11				
KFLB-05-120-D25-16	0.5	1.4	φ7.5	5 gages/ pkg
KFLB-05-120-D25-23				3 3 1 3

\*The above picture is KFLB-1-120-D25-11.

<sup>\*2</sup> For the lead-wire gages with R type or F type glass-cloth tape, see page 1-15.