

# High-temperature Gages (KFHB)

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

## ●KFHB Series High-temperature Foil Strain Gages (250°C)

RoHS

The base is made of highly heat-resistant polyimide and the gage element is made of NiCr alloy foil, thereby ensuring less thermal output and excellent temperature characteristics.

### Applicable Adhesives

	Operating temp. after curing the adhesive
PC-600, PI-32	-196 to 250°C
EP-34B	-55 to 200°C

### Operating Time

End of the model	250°C	200°C
11	24 hours	120 hours
16	12 hours	120 hours
23	12 hours	120 hours

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

E.g.  
KFHB-5-120-C1-11  
with a high/low-temperature 3-wire  
cable 5 m long pre-attached.  
→ **KFHB-5-120-C1-11 H5M3**

If no lead-wire cable code is suffixed,  
the gage is delivered with an advance  
ribbon cable only (25 mm long).

### ■Types, lengths and codes of lead-wire cables pre-attached to KFHB gages

For other lead-wire cable lengths, contact us.

Type	High/low-temp. 3-wire cable	Fluoroplastic-coated high/low-temp. 3-wire cable
Length	C1, D25	
15 cm	H15C3	F15C3
30 cm	H30C3	F30C3
1 m	H1M3	F1M3
3 m	H3M3	F3M3
5 m	H5M3	F5M3
Operating temp.	-196 to 250°C	-196 to 250°C
Remarks	L-17*	L-3*

\*For the lead-wire gages with H type or F type glass-cloth tape, see page 1-15.

## Uniaxial

Resistance: 120 Ω  
Gage factor: Approx. 2.0  
Approx. 1.9 at 250 °C (Reference value)



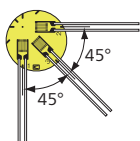
\*The above picture is KFHB-5-120-C1-11.

These KFHB series gages are also available with the gage resistance of 350Ω.  
The size is slightly different from 120Ω gages.

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

## Triaxial, 0°/90°/45° plane arrangement

Resistance: 120 Ω  
Gage factor: Approx. 2.0  
Approx. 1.9 at 250 °C (Reference value)



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

These KFHB series gages are also available with the gage resistance of 350Ω.  
The size is slightly different from 120Ω gages.

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

10 gages/ pkg unless otherwise specified.