

High-temperature Gages (KFHB)



Strain Gages

- Outline
- Lead-wire cable
- General
- Waterproof
- Concrete
- Composite material
PCB
Plastics
- Ultra-small strain
High temp.
Low temp.
- High elongation
- Non-magnetostrictive
- Hydrogen gas
Bending
- With protector
Embedded
- Crack
- Adhesive
Coating agent
- Custom-designed

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 (It changes depending on the condition.)
PC-600, PI-32	-196 to 250°C 24 hours or less at 250°C
EP-34B	-55 to 200°C 120 hours or less at 200°C

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

E.g.
For the gage 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

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 other lead-wire cable lengths, contact us.

* Applicable linear expansion coefficients of 16 and 23: Contact us.

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

Uniaxial

Resistance: 120 Ω

Gage factor: Approx. 1.9 (At 250 °C)



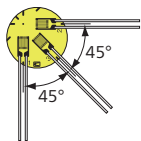
KFHB-5-120-C1-11	5	2.5	10	3.7
KFHB-2-120-C1-11	2	2.5	6	3.7
KFHB-1-120-C1-11	1	1.5	4	2.7
KFHB-05-120-C1-11	0.5	1.4	3.3	2.7
KFHB-02-120-C1-11	0.2	1	2.5	2.2

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

Resistance: 120 Ω

Gage factor: Approx. 1.9 (At 250 °C)

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



* Applicable linear expansion coefficients of 16 and 23: Contact us.

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

10 gages/ pkg unless otherwise specified.