

High-temperature Gages (KFU & KH)

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

●KFU Series High-temperature Foil Strain Gages (350°C)

RoHS

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

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

The base is made of highly heat-resistant polyimide and the gage element is made of NiCr alloy foil, thereby letting the KFU series gage exhibit superior characteristics over a wide temperature range.

Operating time (Depends on usage conditions)
24 hours or less at 350°C 72 hours or less at 300°C

Applicable Adhesives

	Operating Temp. after Curing the Adhesive
PI-32	-30 to 350°C

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

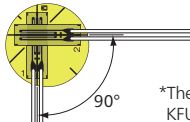
Type	High/low-temp. 3-wire cable			
Length	C1, D16, and D17			
15 cm	H15C3			
30 cm	H30C3			
1 m	H1M3			
3 m	H3M3			
5 m	H5M3			
Operating temp.	-30 to 350°C			
Remarks	L-17*			

* For the lead-wire gages with H type glass-cloth tape, see page 1-15.
These KFU series gages are also available with the gage resistance of 350Ω.
The size is slightly different from 120Ω gages.

KFU-5-120-C1-11				
KFU-5-120-C1-16	5	2.5	10	3.7
KFU-5-120-C1-23				
KFU-2-120-C1-11				
KFU-2-120-C1-16	2	2.5	6	3.7
KFU-2-120-C1-23				

Biaxial, 0°/90° stacked rosette

Resistance: 120 Ω
Gage factor: Approx. 2.0
Approx. 1.85 at 350 °C (Reference value)



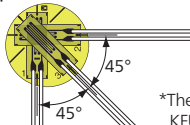
*The above picture is KFU-5-120-D16-11.

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

KFU-5-120-D16-11				
KFU-5-120-D16-16	5	1.4	φ11	
KFU-5-120-D16-23				
KFU-2-120-D16-11				
KFU-2-120-D16-16	2	1.2	φ8	
KFU-2-120-D16-23				

Triaxial, 0°/90°/45° stacked rosette

Resistance: 120 Ω
Gage factor: Approx. 2.0
Approx. 1.85 at 350 °C (Reference value)



*The above picture is KFU-5-120-D17-11.

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

KFU-5-120-D17-11				
KFU-5-120-D17-16	5	1.4	φ11	
KFU-5-120-D17-23				
KFU-2-120-D17-11				
KFU-2-120-D17-16	2	1.2	φ8	
KFU-2-120-D17-23				

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

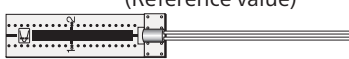
●KH Series High-temperature Foil Strain Gages (350°C)

RoHS

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

E.g.
KH-5-350-G4-11 with a glass-coated Ni-plated 3-wire copper cable 5 m long pre-attached
→ **KH-5-350-G4-11 D5M3**

Uniaxial
Resistance: 350 Ω
Gage factor: Approx. 1.85 at 350 °C (Reference value)



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

*The above picture KH-5-350-G4-11.

The metal base enables easy mounting with a compact spot welder.

Installation Method

	Operating Temp. after Curing the Adhesive
Spot welding	-50 to 350°C

Operating time (Depends on usage conditions)
24 hours or less at 350°C
72 hours or less at 300°C

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

Type	Glass-coated Ni-plated 3-wire copper cable			
Length	G4			
15 cm	D15C3			
30 cm	D30C3			
1 m	D1M3			
3 m	D3M3			
5 m	D5M3			
Operating temp.	-50 to 350°C			

KH-5-350-G4-11	4	0.72	30	8	5 gages/ pkg
KH-5-350-G4-16					

10 gages/ pkg unless otherwise specified.