High-temperature Gages KFU & KH

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

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

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.

Note) Please use KFU for a short period test.
E.g. 72 hours or less at 350 °C, 360 hours or less at 300 °C,
adhesive PI-32 (It changes depending on the condition.)

Applicable Adhesives and Operating Temperature Range after Curing PI-32 –196 to 350°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.
KFU-5-120-C1-11 H5M3
for the gage with a high/low-temperature 3-wire cable 5 m long pre-attached
KFU-5-120-C1-11 B5M3
for the gage with a glass-coated Ni-clad 3-wire copper cable 5 m long pre-attached

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

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

Types / Length	High/low-temp. 3-wire cable	Glass-coated cable of 3 Ni-clad copper wires
	C1, D16, and D17	
15 cm	H15C3	B15C3
30 cm	H30C3	B30C3
1 m	H1M3	B1M3
3 m	H3M3	B3M3
5 m	H5M3	B5M3
Oprg. temp. range	-196 to 350°C	Normal temp. to 280°C
Remarks	L-17	Contact us

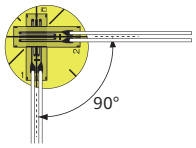
＊For other lead wire cable lengths, contact us.

These gages are also available with 350Ω gage resistance, with a slight difference in size from 120Ω gages

Uniaxial
Resistance: 120 Ω
Gage factor: Approx. 1.85 (At 350 °C)

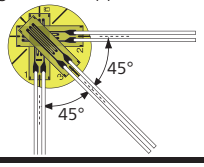
KFU-5-120-C1-11	5	2.5	10	3.7	
KFU-5-120-C1-16					
KFU-5-120-C1-23					
KFU-2-120-C1-11	2	2.5	6	3.7	
KFU-2-120-C1-16					
KFU-2-120-C1-23					

Biaxial, 0°/90° stacked rosette
Resistance: 120 Ω
Gage factor: Approx. 1.85 (At 350 °C)



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

Triaxial, 0°/90°/45° stacked rosette
Resistance: 120 Ω
Gage factor: Approx. 1.85 (At 350 °C)



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

A min. qty 10 PC.

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

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

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

Installation Method and Operating Temperature Range Spot welding –50 to 350°C

Time indicators (changes depending on usage conditions)
24 hours or less at 350 °C, 72 hours or less at 300 °C

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

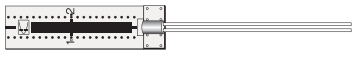
E.g.
KH-5-350-G4-11 D5M3
for the gage with a glass-coated cable of 3-twisted Ni-plated copper wire 5 m long pre-attached

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

Types / Length	Glass-coated cable of 3 Ni-plated copper wires
	G4
15 cm	D15C3
30 cm	D30C3
1 m	D1M3
3 m	D3M3
5 m	D5M3
Oprg. temp. range	-50 to 350°C

＊For other lead wire cable lengths, contact us.

Uniaxial
Resistance: 350 Ω
Gage factor: Approx. 2.0 (At 350 °C)



If no cable code is suffixed, the gage is delivered with an Advanced ribbon cable only (25 mm long)

KH-5-350-G4-11	5	1	30	8	A min. qty 5 PC.
KH-5-350-G4-16					