

# High-temperature Gages

# KFU

RoHS

● Gage Factor	Approx. 2.0 Approx. 1.85 at 350 °C (Reference value)
● Applicable Linear Expansion Coefficients (x10 <sup>-6</sup> /°C)	11, 16, 23
● Self-temperature-compensation Range	10 to 300°C

Applicable Adhesives and Operating Temperature Ranges  
PI-32: -30 to 350°C

## High-temperature Foil Strain Gages

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.  
\*Please use KFU for short period testing.  
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.)

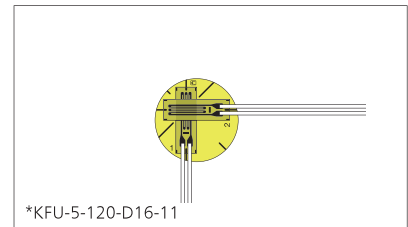
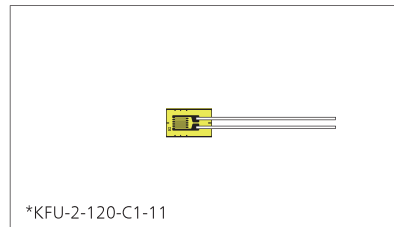
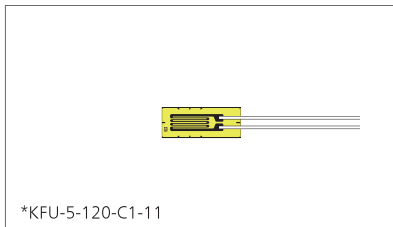
### Types, lengths and codes of lead-wire cables pre-attached to KFU gages

Type	High/low-temp. 3-wire cable
Length	C1, D16, 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 type H of lead-wire cable with glass-cloth tape, see page 23.

\*\* For other lead-wire cable lengths, contact us.

## KFU ● Uniaxial, Biaxial



Models	KFU-5-120-C1-	11 16 23	KFU-2-120-C1-	11 16 23	KFU-5-120-D16-	11 16 23
Pattern	Uniaxial		Uniaxial		Biaxial, 0°/90° stacked rosette	
Base	10 × 3.7 mm		6 × 3.7 mm		φ11	
Gage (Grid)	5 × 2.5 mm		2 × 2.5 mm		5 × 1.4 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	

When ordering, specify the model number as follows.

**KFU-□-□-□-□** Lead-wire Cable Code

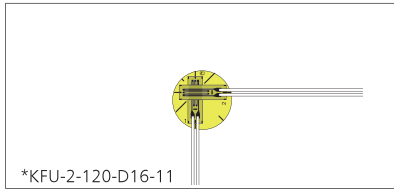
(e.g.) KFU-5-120-C1-11 H1M3

\*Values in □ and lead-wire cable code cannot be arbitrarily combined.

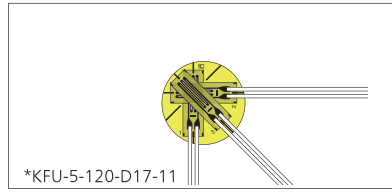
Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
High/low temp. 3-wire cable L-17 	-196 to 350°C	1 m	H1M3
		3 m	H3M3
		5 m	H5M3
Advanced ribbon cable 	-196 to 350°C	25 mm	

\*Gage (Grid): Length × Width

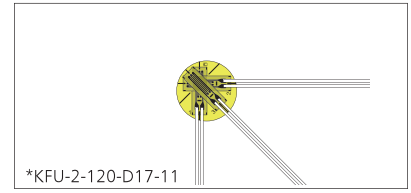
# KFU ● Uniaxial, Biaxial, Triaxial



\*KFU-2-120-D16-11

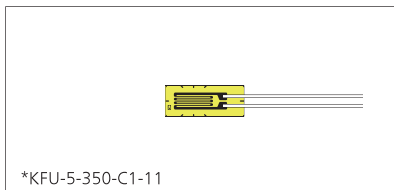


\*KFU-5-120-D17-11

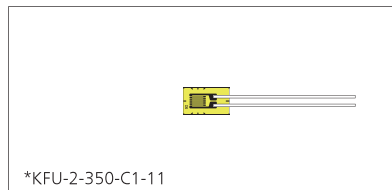


\*KFU-2-120-D17-11

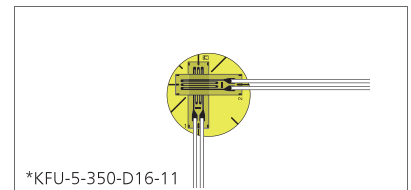
Models	<b>KFU-2-120-D16-</b>	<b>11 16 23</b>	<b>KFU-5-120-D17-</b>	<b>11 16 23</b>	<b>KFU-2-120-D17-</b>	<b>11 16 23</b>
Pattern	Biaxial, 0°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette	
Base	φ8		φ11		φ8	
Gage (Grid)	2 × 1.2 mm		5 × 1.4 mm		2 × 1.2 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	



\*KFU-5-350-C1-11

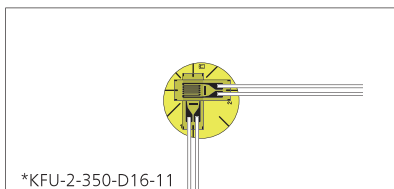


\*KFU-2-350-C1-11

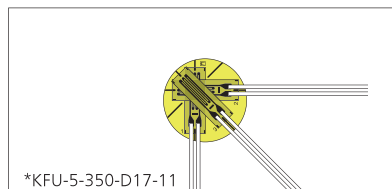


\*KFU-5-350-D16-11

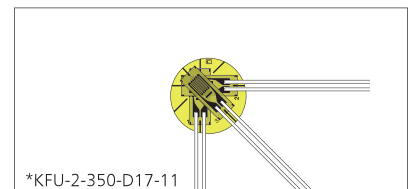
Models	<b>KFU-5-350-C1-</b>	<b>11 16 23</b>	<b>KFU-2-350-C1-</b>	<b>11 16 23</b>	<b>KFU-5-350-D16-</b>	<b>11 16 23</b>
Pattern	Uniaxial		Uniaxial		Biaxial, 0°/90° stacked rosette	
Base	10 × 3.7 mm		6 × 3.7 mm		φ11	
Gage (Grid)	5 × 2.4 mm		2 × 2.4 mm		5 × 2 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		10	



\*KFU-2-350-D16-11



\*KFU-5-350-D17-11



\*KFU-2-350-D17-11

Models	<b>KFU-2-350-D16-</b>	<b>11 16 23</b>	<b>KFU-5-350-D17-</b>	<b>11 16 23</b>	<b>KFU-2-350-D17-</b>	<b>11 16 23</b>
Pattern	Biaxial, 0°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette	
Base	φ10		φ11		φ10	
Gage (Grid)	2 × 2 mm		5 × 2 mm		2 × 2 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		10	

When ordering, specify the model number as follows.

**KFU-□-□-□-□** **Lead-wire Cable Code**

e.g. KFU-5-350-C1-11 H1M3

\*Values in □ and lead-wire cable code cannot be arbitrarily combined.

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
 High/low temp. 3-wire cable L-17	-196 to 350°C	1 m	H1M3
		3 m	H3M3
		5 m	H5M3
 Advanced ribbon cable	-196 to 350°C	25 mm	

\*Gage (Grid): Length × Width