

Non-magneto-resistive Strain Gages KFN & KFS

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

●KFN Series Non-inductive Foil Strain Gages

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

E.g.
KFN-5-350-C9-11 J5M3

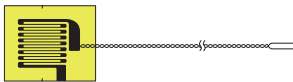
for the gage with a low-noise vinyl-coated 3-wire cable 5 m long pre-attached

If no lead wire cable code is suffixed, the gage is delivered with 2 polyester-coated copper wires 10 cm long each.

Uniaxial 350Ω gages

Resistance: 350 Ω

Gage factor: Approx. 2.0



The gage element is made of a special alloy which provides less magneto-resistant effect; also, the shape is designed to eliminate induction. Thus, the KFN series foil strain gages can accurately measure strain under AC magnetic environments.

Applicable Adhesives and Operating Temperature Range after Curing

PC-600: -196 to 150°C

CC-33A: -196 to 120°C

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

Types	Vinyl-coated low-noise 3-wire cable				
Length	C9, D20				
15 cm	J15C3				
30 cm	J30C3				
1 m	J1M3				
3 m	J3M3				
5 m	J5M3				
Oprg. temp. range	-10 to 80°C				
Remarks	L-13				

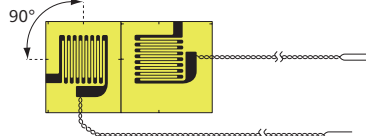
*For other lead wire cable lengths, contact us.

KFN-5-350-C9-11				
KFN-5-350-C9-16	5	6.6	12	10
KFN-5-350-C9-23				
KFN-2-350-C9-11				
KFN-2-350-C9-16	2	3.5	6	5
KFN-2-350-C9-23				

Bi-axial 350Ω gages. 0°/90°

Resistance: 350 Ω

Gage factor: Approx. 2.0



KFN-5-350-D20-11				
KFN-5-350-D20-16	5	6.6	22	12
KFN-5-350-D20-23				A min. qty 5 PC.
KFN-2-350-D20-11				
KFN-2-350-D20-16	2	3.5	11	6
KFN-2-350-D20-23				A min. qty 5 PC.

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

●KFS Series Shielded Foil Strain Gages

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

E.g.
KFS-5-120-J1 J5M3

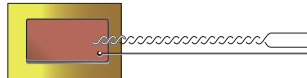
for the gage with a low-noise vinyl-coated 3-wire cable 5 m long pre-attached

If no lead wire cable code is suffixed, the gage is delivered with 2 polyester-coated copper wires 25 mm long each.

Uniaxial

Resistance: 120 Ω

Gage factor: Approx. 2.1



The KFS series foil strain gages are shielded by the copper foil covering the whole body. Thus, if a large current flows to or around the gage bonding site, noise is prevented from entering the measuring circuit.

Applicable Adhesives and Operating Temperature Range after Curing

PC-600: -196 to 150°C

CC-33A: -196 to 120°C

EP-340: -55 to 150°C

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

Types	Vinyl-coated low-noise 3-wire cable				
Length	J1				
15 cm	J15C3				
30 cm	J30C3				
1 m	J1M3				
3 m	J3M3				
5 m	J5M3				
Oprg. temp. range	-10 to 80°C				
Remarks	L-13				

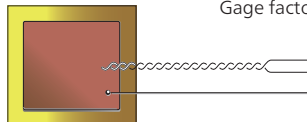
*For other lead wire cable lengths, contact us.

KFS-5-120-J1-11				
KFS-5-120-J1-16	5	1.4	15	10
KFS-5-120-J1-23				Polyester-coated copper lead wires Shield wire 25 mm long

Triaxial 350Ω gage

Resistance: 350 Ω

Gage factor: Approx. 2.0



KFS-5-350-J1-11				
KFS-5-350-J1-16	5	6.6	17	16
KFS-5-350-J1-23				Polyester-coated copper lead wires Shield wire 25 mm long

A min. qty 10 PC.