



Strain Gage

Load Cell

Pressure
SensorAcceleration
SensorTorque
SensorDisplacement
SensorComponent
Force
SensorAutomotive
SensorCivil
Engineering
Sensor

KFP

Foil Strain Gages for Plastics

These strain gages are suitable for measuring strain in plastic materials such as acrylic resin.

They conform to a linear expansion coefficient of $65 \times 10^{-6}/^{\circ}\text{C}$.

*When attaching these gages to a hard-to-bond material such as polyethylene with CC-33A, S-9B surface treatment agent must also be applied.

■ Operating Temperature

Operating Temperature	Applicable Adhesives
-20 to 80°C	CC-33A
-20 to 80°C	CC-36
-20 to 80°C	CC-35
-20 to 80°C	EP-34B

■ Models

Patterns, Gage Resistance, Gage Factor	Model	Dimensions (mm)				Remarks
		Gage (Grid)		Base		
		Length	Width	Length	Width	
Uniaxial Size: 1/2" x 3/4" Gage factor: Approx. 2.1	KFP-5-120-C1-65	5	2.5	13	5.2	
	KFP-2-120-C1-65	2	2	10	4.7	



*The above picture is KFP-5-120-C1-65.

Uniaxial, 350 Ω

Resistance: 350 Ω Gage factor: Approx. 2.1



*The above picture is KFP-5-350-C1-65.

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

	2 polyester-coated copper wires	3 polyester-coated copper wires	Vinyl-coated flat 2-wire cables	Vinyl-coated flat 3-wire cables
	C1			
15 cm	N15C2	N15C3	L15C2R	L15C3R
30 cm	N30C2	N30C3	L30C2R	L30C3R
1 m	N1M2	N1M3	L1M2R	L1M3R
3 m	—	—	L3M2R	L3M3R
5 m	—	—	L5M2R	L5M3R
Operating Temperature	-20 to 80°C		-10 to 80°C	
Remarks	Twisted for ≥ 50 cm		L-6, L-9 for ≥ 6 m	L-7, L-10 for ≥ 6 m

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

■ How to order

When ordering, specify the model of the strain gage and the code of the lead-wire cable with a space in between.

E.g. KFP-5-120-C1-65 with 3 polyester-coated copper wires 15 cm long pre-attached → **KFP-5-120-C1-65 N15C3**

If no lead-wire cable code is suffixed, the gage is delivered with gage leads only. (Silver-covered copper wires 25 mm long)

*10 gages/pkg