

## Gages for Plastics KFP

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

### ●KFP Series Foil Strain Gages for Plastics

The KFP series foil strain gages provide an applicable linear expansion coefficient of  $65 \times 10^{-6}/^{\circ}\text{C}$ , which makes them suitable for strain measurement of plastics such as acrylic resin.

#### Applicable Adhesives and Operating Temperature Range after Curing

CC-33A: -20 to 80°C CC-35: -20 to 80°C

CC-36: -20 to 80°C EP-34B: -20 to 80°C

When bonding the KFP gage to a difficult-to-bond materials such as polyethylene with CC-33A, use S-9B surface treatment agent in combination.

For S-9B, contact us.

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

E.g.

KFP-5-120-C1-65 N10C3

for the gage with a polyester-coated 3-wire copper cable 10 cm long pre-attached

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

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

Types	Polyester-coated 2-wire copper cable	Polyester-coated 3-wire copper cable	Vinyl-coated flat 2-wire cable	Vinyl-coated flat 3-wire cable
Length	C1			
15 cm	N15C2	N15C3	L15C2R	L15C3R
30cm	N30C2	N30C3	L30C2R	L30C3R
1 m	N1M2	N1M3	L1M2R	L1M3R
3 m			L3M2R	L3M3R
5 m			L5M2R	L5M3R
Oprg. temp. range	-196 to 80°C		-10 to 80°C	
Remarks	Twisted for 50 cm or longer		L-6, L-9 for 6 m or longer	L-7, L-10 for 6 m or longer

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

#### Uniaxial

Resistance: 120 Ω

Gage factor: Approx. 2.1

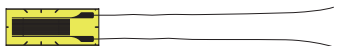


KFP-5-120-C1-65	5	2.5	13	5.2
KFP-2-120-C1-65	2	2	10	4.7

#### Uniaxial 350- gage

Resistance: 350 Ω

Gage factor: Approx. 2.1



KFP-5-350-C1-65	5	2.6	13	5.2
KFP-2-350-C1-65	2	2.4	10	5.2

## Gage for Low-elasticity Materials KFML

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

### ●KFML Foil Strain Gage for Low-elasticity Materials

The KFML foil strain gage uses a base with extremely low rigidity, enabling strain measurement of rubber or the similar materials with low Young's moduli.

#### Uniaxial 350Ω gage

Resistance: 350 Ω

Gage factor: Approx. 2.0

(when bonded to metal)

#### Applicable Adhesives and Operating Temperature Range after Curing

CC-33A: 0 to 60°C CC-36: 0 to 60°C



KFML-5-350-C1	5	4	33	7
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