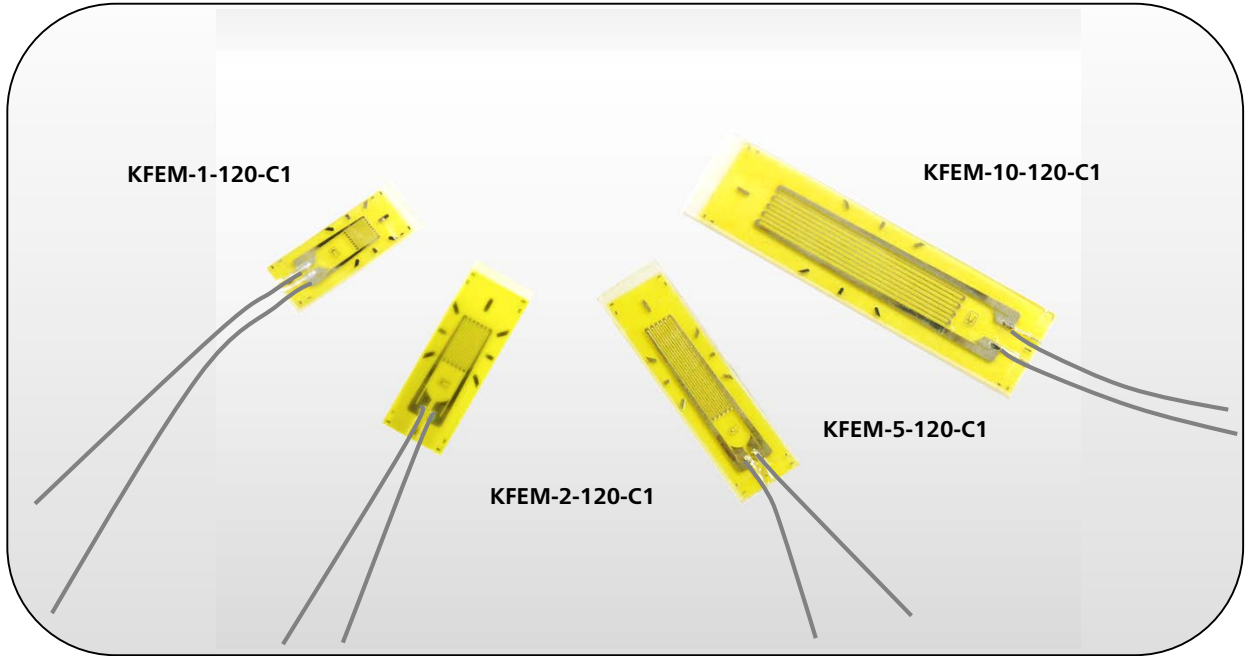


NEW

Ultrahigh-elongation foil strain gages KFEM The lineup is expanded.
The new KFEM-1-120-C1 comes with 1 mm in gage length and KFEM-10-120-C1, with 10 mm.



Ultrahigh-elongation foil strain gages KFEM series can measure strain in elastic to plastic region on structures. That is, they enable measurement of material deformation up to 20 to 30%

Features

Measurement of 20 to 30% material deformation possible

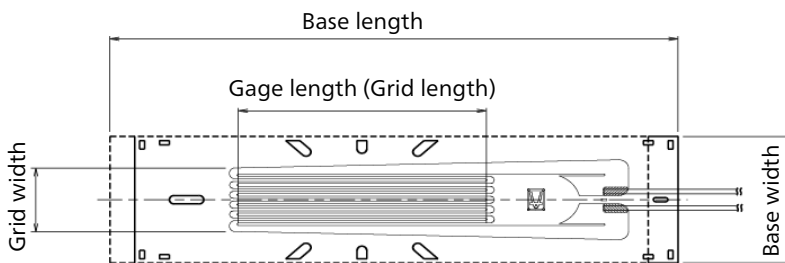
The laminate protruded from the tip of gage base improves adhesive property and make hard to peel off.

Foil material features an improved elongation property and is hard to disconnect.

Specifications

Materials	Resistive element: CuNi alloy Base: Polyimide
Gage leads	Silver-clad copper wires, 25 mm long by 0.12 mm diameter
Gage length	1, 2, 5 or 10 mm
Resistance	120 Ω
Gage factor	Approx. 2.0
Strain limit at room temperature	20 to 30%
Applicable adhesive	CC-36
Pieces per pack	10

Dimensions



Model	Dimensions				Strain Limit
	Grid		Base		
	Length	Width	Length	Width	
KFEM-10-120-C1	10.0	2.5	17.5	4.5	20 to 30%
KFEM-5-120-C1	5.0	1.5	11.5	3.0	
KFEM-2-120-C1	2.0	1.5	8.5	3.0	
KFEM-1-120-C1	1.0	1.3	7.0	2.5	

- The stated strain limit is for simple tension applied to the gage bonded on stainless steel (SUS304) or aluminum alloy(A1050) at room temperature.
- Any of the following conditions lowers the strain limit.
 - The measuring object is a difficult-to-bond material such as aluminum alloy(A7075) or polypropylene.
 - The measuring object deforms discontinuously or is cracked on the surface.
 - Measuring site is at high or low temperature.

Specifications are subject to change without notice for improvement.



Safety precautions

Be sure to observe the safety precautions given in the instruction manual in order to ensure correct and safe operation.



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