General-purpose Foil Strain Gages KFGS

Patterns Gage Resistance, Gage Factors	Models	Base Color *1	Dimensions (mm) Grid Length	Grid Width	Base Length	Base Width	Remarks

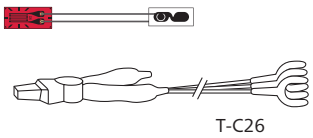
Note: *1 Base color stands for different coefficients of linear expansion.

●KFGS Series Foil Strain Gages with Gage Terminal NEW

Uniaxial

Resistance: 120 Ω
Gage factors: Approx. 2.1

KFGS gages equipped with a gage terminal enable one-touch connection/disconnection of the lead-wire cable. They are suitable for residual stress measurement with the cutting method. A clip equipped dedicated cable T-C26 (Vinyl-coated, 2 m long) is optionally available.



T-C26

Applicable Adhesives and Operating Temperature Range after Curing

Adhesives	Operating Temp. after Gluing the Gages	Adhesives	Operating Temp. after Gluing the Gages
CC-36	−30 to 100°C	CC-35	−30 to 120°C
CC-33A	−196 to 120°C	EP-340	−55 to 120°C

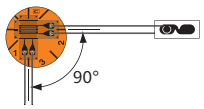
		Grid Length	Grid Width	Base Length	Base Width	Remarks
KFGS-2-120-C1-11 T-F7	●	2	1.2	6.3	2.8	ϕ0.14 Polyester-coated copper cable 15 mm long
KFGS-2-120-C1-16 T-F7	●					
KFGS-2-120-C1-23 T-F7	●					
KFGS-1-120-C1-11 T-F7	●	1	1.1	4.8	2.4	ϕ0.14 Polyester-coated copper cable 15 mm long
KFGS-1-120-C1-16 T-F7	●					
KFGS-1-120-C1-23 T-F7	●					

(When the clip-equipped dedicated cable is used, the operating temperature range of each adhesive after curing is −10 to 80°C.)

The above picture is KFGS-2-120-C1-11 T-F7

Biaxial, 0°/90° stacked rosette

Resistance: 120 Ω
Gage factors: Approx. 2.1

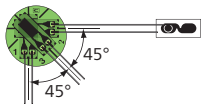


		Grid Length	Grid Width	Base	Remarks
KFGS-2-120-D16-11 T-F7	●	2	1.2	ϕ8	ϕ0.14 Polyester-coated copper cable 15 mm long
KFGS-2-120-D16-16 T-F7	●				
KFGS-2-120-D16-23 T-F7	●				
KFGS-1-120-D16-11 T-F7	●	1	1.1	ϕ5	ϕ0.14 Polyester-coated copper cable 15 mm long
KFGS-1-120-D16-16 T-F7	●				
KFGS-1-120-D16-23 T-F7	●				

The above picture is KFGS-2-120-D16-16 T-F7

Triaxial, 0°/90°/45° stacked rosette

Resistance: 120 Ω
Gage factors: Approx. 2.1



		Grid Length	Grid Width	Base	Remarks
KFGS-2-120-D17-11 T-F7	●	2	1.2	ϕ8	ϕ0.14 Polyester-coated copper cable 15 mm long
KFGS-2-120-D17-16 T-F7	●				
KFGS-2-120-D17-23 T-F7	●				
KFGS-1-120-D17-11 T-F7	●	1	1.1	ϕ5	ϕ0.14 Polyester-coated copper cable 15 mm long
KFGS-1-120-D17-16 T-F7	●				
KFGS-1-120-D17-23 T-F7	●				

The above picture is KFGS-2-120-D17-23 T-F7

●KFGS Series Foil Strain Gages for Boring Method NEW

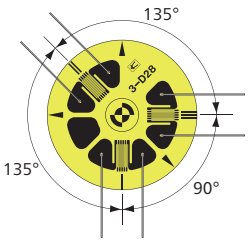
Triaxial, 0°/135°/90°

Resistance: 120 Ω
Gage factors: Approx. 2.1

Designed to measure residual stress released by the boring method.

Applicable Adhesives and Operating Temperature Range after Curing

Adhesives	Operating Temp. after Gluing the Gages	Adhesives	Operating Temp. after Gluing the Gages
CC-33A	−196 to 120°C	EP-340	−55 to 150°C
CC-35	−30 to 120°C	PC-600	−196 to 150°C
CC-36	−30 to 100°C		



		Grid Length	Grid Width	Base	Remarks
KFGS-3-120-D28-11	●	3	2	ϕ19.8	Diameter of gage center is ϕ10.8
KFGS-3-120-D28-16	●				
KFGS-3-120-D28-23	●				
KFGS-3-120-D28-27	●				
KFGS-1.5-120-D28-11	●	1.5	1.3	ϕ12	Diameter of gage center is ϕ5.5
KFGS-1.5-120-D28-16	●				
KFGS-1.5-120-D28-23	●				
KFGS-1.5-120-D28-27	●				

For KFGS gages with the lead-wire cable pre-attached, see page 1-18.

The above picture is KFGS-3-120-D28-27

10 gages/pkg