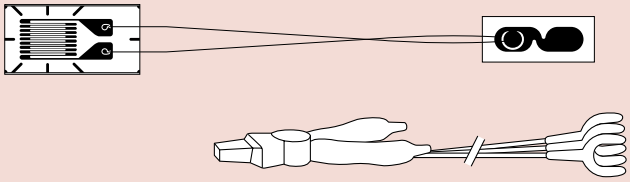
Gages for Residual Stress Measurement

KFG



T-C26

- Gage Factor: Approx. 2.1
- Applicable Linear Expansion Coefficients: 11, 16, 23
- Self-temperature-compensation Range: 10 to 100°C

Applicable Adhesives and Operating Temperature Ranges

PC-6: –196 to 150°C
PC-12: –196 to 150°C
CC-33A: –196 to 120°C
CC-35: –30 to 120°C

(When a clip-equipped dedicated cable is used, the operating temperature range is –10 to 80°C after any of applicable adhesies is cured.)

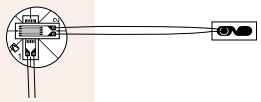
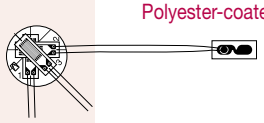
■Foil Strain Gages with Gage Terminal

Gages for residual stress measurement are KFG gages equipped with a gage terminal which enables one-touch connection/disconnection of the leadwire cable. They are suitable for residual stress measurement with the cutting method. A clip-equipped dedicated cable T-C26 (vinyl-coated, 2m long) is optionally available.

KFG Gages ●Uniaxial (with gage terminal), 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model
KFG-2-120-C1-11 16 23 **Uniaxial** ● Base Size 6.3 x 2.8 mm ● Gage Length 2 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	Polyester-coated copper wires with gage terminal	–196 to 150°C	15mm	KFG-2-120-C1-11 T-F7
KFG-1-120-C1-11 16 23 **Uniaxial** ● Base Size 4.8 x 2.4 mm ● Gage Length 1 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	Polyester-coated copper wires with gage terminal	–196 to 150°C	15mm	KFG-1-120-C1-11 T-F7

KFG Gages ●Biaxial/Triaxial (with gage terminal), 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model
 **KFG-2-120-D16-11** **Biaxial, 0°/90° stacked rosette** 16 23 ● Base Size 8 mmϕ ● Gage Length 2 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	Polyester-coated copper wires with gage terminal	−196 to 150°C	15mm	KFG-2-120-D16-11 T-F7
 **KFG-1-120-D16-11** 16 23 **Biaxial, 0°/90° stacked rosette** ● Base Size 5 mmϕ ● Gage Length 1 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	Polyester-coated copper wires with gage terminal	−196 to 150°C	15mm	KFG-1-120-D16-11 T-F7
 **KFG-2-120-D17-11** 16 23 **Triaxial, 0°/90°/45° stacked rosette** ● Base Size 8 mm ϕ ● Gage Length 2 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	Polyester-coated copper wires with gage terminal	−196 to 150°C	15mm	KFG-2-120-D17-11 T-F7
 **KFG-1-120-D17-11** 16 23 **Triaxial, 0°/90°/45° stacked rosette** ● Base Size 5 mmϕ ● Gage Length 1 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	Polyester-coated copper wires with gage terminal	−196 to 150°C	15mm	KFG-1-120-D17-11 T-F7