KFGT

RoHS

Foil Strain Gages with a Temperature Sensor

These foil strain gages integrated with an attached temperature sensor (T thermocouple) can be used to measure strain and temperature simultaneously. Measuring strain in locations subject to temperature changes and temperature gradients which require the strain and temperature to be measured simultaneously can streamline work and allow for highly accurate calibration of apparent strain based on temperature. Products such as UCAM-80A data loggers are recommended for use as the measuring instrument.

■Operating Temperature

Operating Temperature	Applicable Adhesives
−10 to 120℃	CC-33A
−10 to 100℃	CC-36
−10 to 120℃	CC-35
−10 to 120℃	EP-340

■Models

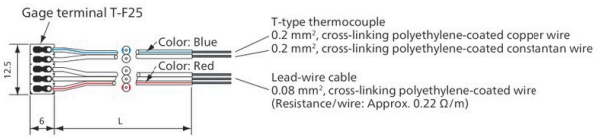
Patterns, Gage Resistance, Gage Factor	Model	Dimensions (mm)				Remarks
		Gage (Grid)		Base		
		Length	Width	Length	Width	
Uniaxial, 3-wire system Resistance: 120 Ω Gage factor: Approx. 2.1	KFGT-5-120-C1-11 N1M3	5	2.1	10	4.5	Incorporating a T-type thermocouple Temp. Meas. Accuracy: Within ±1.5℃
	KFGT-5-120-C1-16 N1M3	5	2.1	10	4.5	
	KFGT-5-120-C1-23 N1M3	5	2.1	10	4.5	
	KFGT-5-120-C1-27 N1M3	5	2.1	10	4.5	
	KFGT-2-120-C1-11 N1M3	2	1.8	7	4.5	
	KFGT-2-120-C1-16 N1M3	2	1.8	7	4.5	
	KFGT-2-120-C1-23 N1M3	2	1.8	7	4.5	
	KFGT-2-120-C1-27 N1M3	2	1.8	7	4.5	



*The above picture is KFGT-5-120-C1-11 N1M3.

■Extension lead-wire cable NT (Optional Accessories)

Model	Dimensions (mm) L	Operating Temperature	Remarks
NT-1M	1000	-10 to 120℃	5 pcs/pkg
NT-2M	2000		
NT-4M	4000		



■How to order

*Pre-attached lead wire 1 m long
*5 gages/pkg

Strain Gage
Load Cell
Pressure Sensor
Acceleration Sensor
Torque Sensor
Displacement Sensor
Component Force Sensor
Automotive Sensor
Civil Engineering Sensor