





SINGLE AXIS/MULTI-AXIS

## QF-Series



High Temperature Strain Gauges

## GENERAL USE



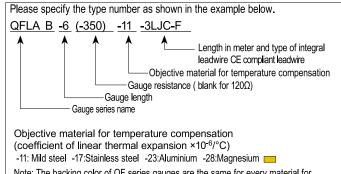
These are CE marked strain gauges (compliant to RoHS2 Directive) for high temperature use. They have joined to our well proven QF-series strain gauges with a new series name "GOBLET". These are foil strain gauges utilizing polyimide resin as the backing material. Measurement in high temperature is easily possible by using our roomtemperature-curing adhesive NP-50 for bonding.

Operating temperature range
-30 ~ + 200°C
Temperature compensation range
+ 10 ~ + 100°C

Applicable adhesives

NP-50 - 30 ~ + 200°C C-1/EB-2 - 30 ~ + 200°C

CN - 30 ~ + 120°C



Note: The backing color of QF series gauges are the same for every material for temperature compensation.

Gauge pattern		Туре	Gauge s Length	Gauge size(mm) Length Width		Backing size(mm) Length Width		
ر Backing length			051.00.00	0.0		0.5	0.5	
Backing Gauge length (in the property of the p			QFLGB-02	0.2	1.4	3.5	2.5	1
		QFLAB-03	0.3	1.4	3	2	1	
			QFLAB-1	1	1.1	4.7	2	1
• Single axis  QFLGB-02  Q(x 3)	General purpose		QFLAB-2	2	1.5	6.5	3	1
			QFLAB-3	3	1.7	7.7	3.5	1
			QFLAB-5	5	1.5	10	3	1
			QFLAB-6	6	2.2	11	4.3	1
	-		QFLAB-30	30	2	35	5	1
QFLAB-1 Q(x 3) Q(x 3)	FLK type with narrow backing	QFLKB-1	1	0.7	4.5	1.4	1	
		QFLKB-2	2	0.9	5.5	1.5	1	
	for magnesium alloy		QFLKB-2-28	2	0.9	5.5	1.5	1
	gauge resistance	QFLAB-1-350	1	1.6	4.5	3	3	
		QFLAB-1W-350	1	2	4.7	3.6	3	
		QFLAB-2-350	2	1.9	6	3.5	3	
	350Ω		QFLAB-3-350	3	1.6	7.2	3	3
			QFLAB-3W-350	3	3.2	8.5	5	3
		QFLAB-6-350	6	2.6	10.8	4.5	3	
	High gauge resistance 1000Ω		QFLAB-6-1000	6	4.6	11	7	10
Stacked type		QFCAB-3	QFCAB-1	1	0.7	φ4	.5	1
● 0°/45°/90° 3-axis Stacked type	QFCAB-1		QFCAB-3	3	1.7	φ11		1
	QFRAB-3		QFRAB-1	1	0.7	φ4	1.5	1
			QFRAB-3	3	1.7	φ11		1
Minimum order quantity is 10 strain gauges.								





## Dedicated leadwire recommended for QF series strain gauges (GOBLET) (made to order)

We supply various leadwires dedicated to strain gauges so as to meet our customers' requirements. Please refer to page 32 to 40 for the details of combination of a strain gauge and a leadwire. For CE marked GOBLET series strain gauges, only the leadwires using lead-free solder are available.

## Type and designation of leadwires

Usage	Leadwire name	Operating temperature range of leadwire (°C)	Type number example	
General purpose (without temperature change)	Parallel vinyl leadwire LJC-F	-20~+80	QFLAB-1-11-3LJC-F	
General purpose	3-wire parallel vinyl leadwire LJCT-F	-20~+80	QFLAB-1-11-3LJCT-F	
High temperature	3-wire twisted FEP leadwire 6FA □ LT-F	-269~+200	QFLAB-1-11-6FA3LT-F	
	3-wire twisted FEP single-core leadwire 6FB □ LT-F	-209~+200	QFLAB-1-11-6FB3LT-F	

NB:  $\hfill\Box$  shows the lead wire length in meter