



F series

In the F series, strain gauges dedicated to a special usage (shearing strain measurement, torque measurement, residual stress measurement or stress concentration measurement) and 2-axis plane type strain gauges are compliant to RoHS Directive when they are supplied with Option-F.



Operating temperature range
-196~+150°C
Temperature compensation range
+10~+100°C

Applicable adhesives
CN -196~+120°C
P-2 -30~+150°C
EB-2 -60~+150°C

Please specify the type number as shown in the example below.

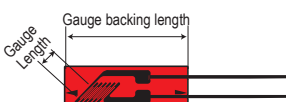
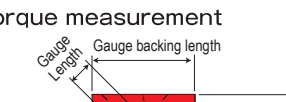
FLT-05A (-350) -11 (-F) -3LJC (-F)

Option F : LEAD-free soldering of leadwire
Length in meter and type of integral leadwire
Option F: LEAD-free soldering of strain gauge
Objective material for temperature compensation
Gauge resistance (blank for 120Ω)
Gauge series name

Objective material for temperature compensation
(coefficient of linear thermal expansion $\times 10^{-6}/^{\circ}\text{C}$)

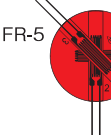
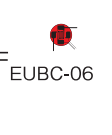
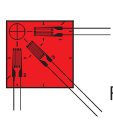
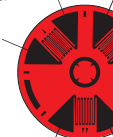
-11: Mild steel ■ -17: Stainless steel ■ -23: Aluminium ■

Shearing • Torque • Plane

Gauge pattern	Type	Gauge size(mm) Length Width		Backing size(mm) Length Width		Resistance Ω
● Shearing strain measurement 	FLT-05A	0.55	0.66	4	1.3	120
	FLT-05B	0.55	0.66	4	1.3	120
● Torque measurement 	FCT-2	2	1.5	8.7	6.5	120
	FCT-2-350	2	1.5	7.6	5.3	350
● 0°/90° 2-axis Plane type 	FCB-2	2	1.5	X / Y axis 8.2 8		120
	FCB-6-350	6	2	X / Y axis 10 11.9		350

Minimum order quantity is 10 strain gauges.

Residual stress measurement

Gauge pattern	Type	Gauge size(mm) Length Width		Backing size(mm) Length Width		Resistance Ω
● Residual stress measurement 	FR-5	5	1.5	Φ12		120
	EUBC-06	0.6	0.7	Φ2.4		120
● Residual stress measurement using hole drilling method 	FRAS-2	2	1.1	9	9	120
	FRS-08	0.8	0.7	Φ7		120
	FRS-2	1.5	1.3	Φ9.5		120
	FRS-3	3	2.6	Φ17.5		120

Minimum order quantity is 10 strain gauges.