



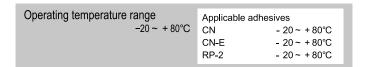


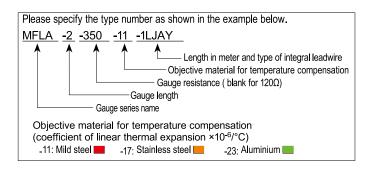
MF-Series

Non-inductive Strain Gauges

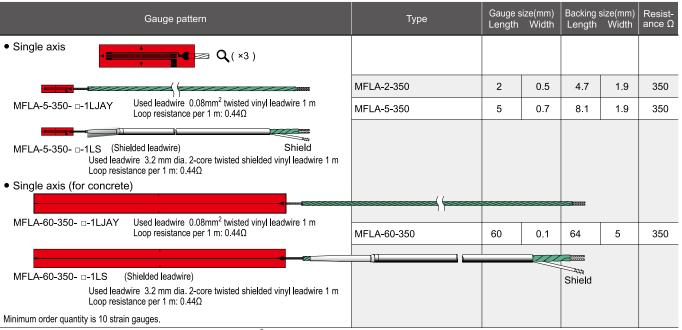
DESCRIPTION

These are non-inductive strain gauges suited to the measurement in magnetic field. The sensing element of this gauge consists of two identical grids with one grid folded back on another. This construction makes to cancel the electromagnetically induced noise each other. The twisted leadwire is also effective to cancel the induced noise in the same way. Accordingly, this strain gauge is less sensitive to the influence of noise induced in changing magnetic field.





SINGLE AXIS (FOR STEEL OR CONCRETE)



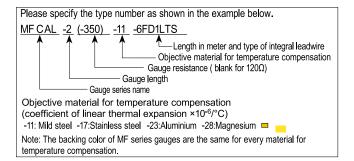
NB: \square shows the objective material for temperature compensation (×10⁻⁶/°C)



MULTI-AXIS (FOR HIGH TEMPERATURE USE)

Multi-axis strain gauges of this series utilize polyimide resin for the backing and they are applicable to the measurement in high temperature.

Operating temperature range $-20 \sim +200 ^{\circ} \text{C}$ Applicable adhesives CN $-20 \sim +80 ^{\circ} \text{C}$ NP-50 $-20 \sim +200 ^{\circ} \text{C}$



Gauge pattern		Туре	Gauge size(mm) Length Width		Backing size(mm) Length Width	Resist- ance Ω	
• 2-axis 0° / 90° Stacked type							
	Used leadwire 1.5 mm dia. 0.04mm ² 3-wire twisted shielded FEP leadwire 1 m	Shield	MFCAL-2	2	0.1	φ7	120
ļ			MFCAL-2-350	2	0.2	φ 7	350
MFCAL-2- □-6FD1LTS	Loop resistance per 1 m: 1.1 Ω						
• 3-axis 0° / 45° / 90° Stacked type							
	Used leadwire 1.5 mm dia. 0.04mm² 3-wire	Shield	MFRAL-2	2	0.1	φ7	120
			MFRAL-2-350	2	0.2	φ7	350
MFRAL-2-□-6FD1LTS	twisted shielded FEP leadwire 1 m Loopl resistance per 1 m: 1.1 Ω						
Minimum order quantity is 10 strain gauges. The length of integral leadwire for multi-axis strain gauges of this series is available up to 1 meter							

NB: □ shows the objective material for temperature compensation (×10-6/°C)