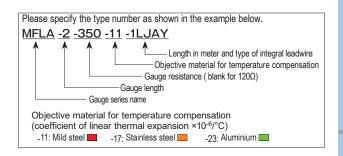
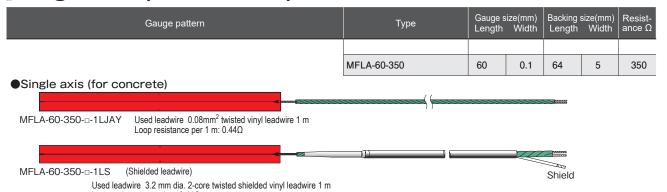
Non-inductive Strain Gauges **MF** series

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 concrete)



Minimum order quantity is 10 strain gauges

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

Loop resistance per 1 m: 0.44Ω

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~+200°C

Applicable adhesives

CN -20~+80°C

NP-50B -20~+200°C

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

MFCAL -2 (-350) -11 -6FD1LTS

Length in meter and type of integral leadwire Objective material for temperature compensation Gauge resistance (blank for 120Ω)

Gauge length

Cauge series name

Objective material for temperature compensation (coefficient of linear thermal expansion ×10-6/°C)

-11: Mild steel -17: Stainless steel -23: Aluminium -28: Magnesium

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

	Gauge pattern		Туре		size(mm) Width	Backing size(mm) Length Width	Resist- ance Ω
●2-axis 0° /90° Stacked type							
		Shield	MFCAL-2	2	0.1	φ7	120
	Used leadwire 1.5 mm dia. 0.04mm ² 3-wire twisted shielded FEP leadwire 1 m	Snieid	MFCAL-2-350	2	0.2	φ7	350
MFCAL-2- -6FD1LTS	Loop resistance per 1 m: 1.1 Ω						
●3-axis 0° /45° /90° Stacked type							
		7,000 1000 1000 1000 1000 1000 1000 1000	MFRAL-2	2	0.1	φ7	120
	Used leadwire 1.5 mm dia. 0.04mm ² 3-wire	Shield	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: \square shows the objective material for temperature compensation (×10⁻⁶/°C)