



Non-inductive Strain Gauges QMF series CE

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.

Operating temperature range -30～+200°C	Applicable adhesives CN -30～+120°C
Temperature compensation range 0～+150°C	NP-50B -30～+200°C EB-2 -30～+200°C

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

QMFLA-2 (-350)-11-005LET-6FD1LTSS-F

Length in meter and type of integral leadwire
CE compliant leadwire
3-wire from the root of gauge leads (blank for 2-wire)
Objective material for temperature compensation
Gauge resistance (blank for 120Ω)
Gauge length
Gauge series name

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

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



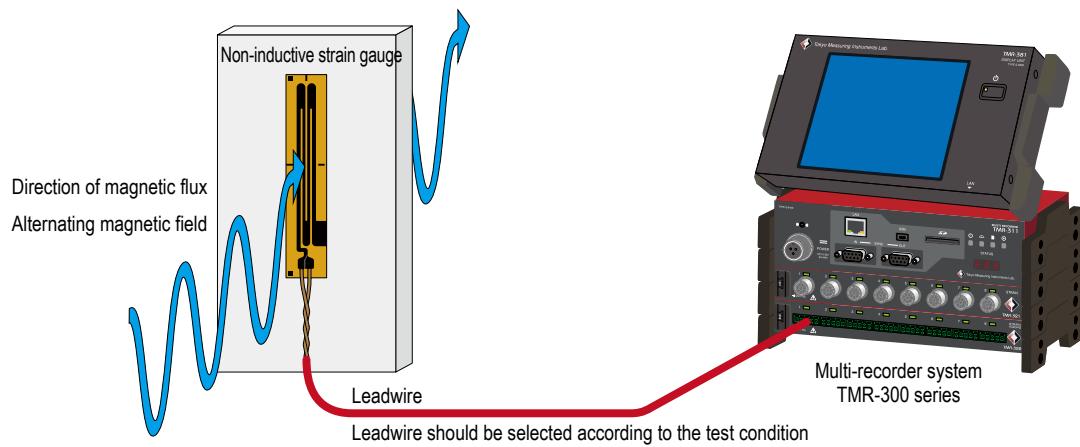
Note: The backing color of QMF series gauges are the same for every material for temperature compensation.

Single axis/Multi-axis (for steel)

Gauge pattern	Type	Gauge size (mm) Length	Gauge size (mm) Width	Backing size (mm) Length	Backing size (mm) Width	Resistance (Ω)
● Single axis						
	QMFLA-2	2	0.5	5	1.5	120
	QMFLA-5	5	0.8	9	1.8	120
	QMFLA-2-350	2	0.3	4.5	1.5	350
	QMFLA-5-350	5	0.3	7.8	1.5	350
● 2-axis 0° / 90° Stacked type						
	QMFLCA-2-11	2	0.5	φ7		120
	QMFLCA-5-11	5	0.8	φ11		120
	QMFLCA-2-350-11	2	0.3	φ7		350
	QMFLCA-5-350-11	5	0.3	φ11		350
● 3-axis 0° / 45° / 90° Stacked type						
	QMFRCA-2-11	2	0.5	φ7		120
	QMFRCA-5-11	5	0.8	φ11		120
	QMFRCA-2-350-11	2	0.3	φ7		350
	QMFRCA-5-350-11	5	0.3	φ11		350
• Minimum order quantity is 10 strain gauges. • These strain gauges need to be supplied with integral leadwires (made-to-order).						
• 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 (made to order)						



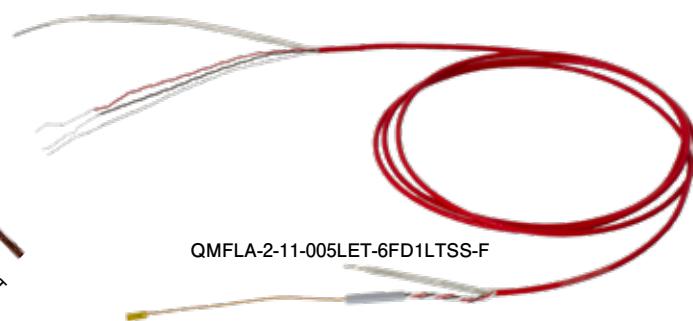
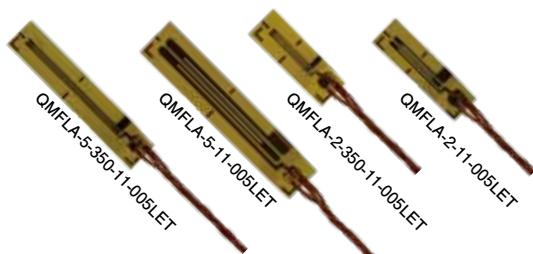
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**Important point**

● Features

- 2-axial: Measurement of tension and compression, Tri-axial: Rosette analysis is possible
- Gauge lengths of 2mm and 5mm and gauge resistances of 120Ω and 350Ω are selectable
- Selectable Measuring method from 1-Gauge 2-Wire, 1-Gauge 3-Wire, and 1-Gauge 3-Wire (3-Wire root specification) depending on test environment
- Operating temperature range extended to -30 to +200°C (temperature compensation range: 0 to +150°C)
- Gauge lead wire length is approx. 50mm, The length of the gauge lead wire is approximately 50 mm, making it easy to affix (only for the 3-wire root type).
- CE compliant

CE



CE

