



# 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**

Gauge series name: QMFLA  
 Gauge length: -2  
 Gauge resistance (blank for 120Ω): (-350)  
 Objective material for temperature compensation: -11  
 Objective material for temperature compensation (coefficient of linear thermal expansion  $\times 10^{-9}/^{\circ}\text{C}$ ): -005  
 3-wire from the root of gauge leads (blank for 2-wire): LET  
 CE compliant leadwire: -6FD1  
 Length in meter and type of integral leadwire: LTSS-F

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)		Backing size (mm)		Resistance (Ω)
		Length	Width	Length	Width	
<b>•Single axis</b>  • Minimum order quantity is 10 strain gauges. • These strain gauges need to be supplied with integral leadwires (made-to-order).	QMFLA-2 QMFLA-5 QMFLA-2-350 QMFLA-5-350	2 5 2 5	0.5 0.8 0.3 0.3	5 9 4.5 7.8	1.5 1.8 1.5 1.5	120 120 350 350
<b>•2-axis 0° /90° Stacked type</b> <b>NEW</b>  QMFCA-2-11 $\times 3$	QMFCA-2-11 QMFCA-5-11 QMFCA-2-350-11 QMFCA-5-350-11	2 5 2 5	0.5 0.8 0.3 0.3	φ7 φ11 φ7 φ11	120 120 350 350	120 120 350 350
<b>•3-axis 0° /45° /90° Stacked type</b> <b>NEW</b>  QMFRA-2-11 $\times 3$	QMFRA-2-11 QMFRA-5-11 QMFRA-2-350-11 QMFRA-5-350-11	2 5 2 5	0.5 0.8 0.3 0.3	φ7 φ11 φ7 φ11	120 120 350 350	120 120 350 350



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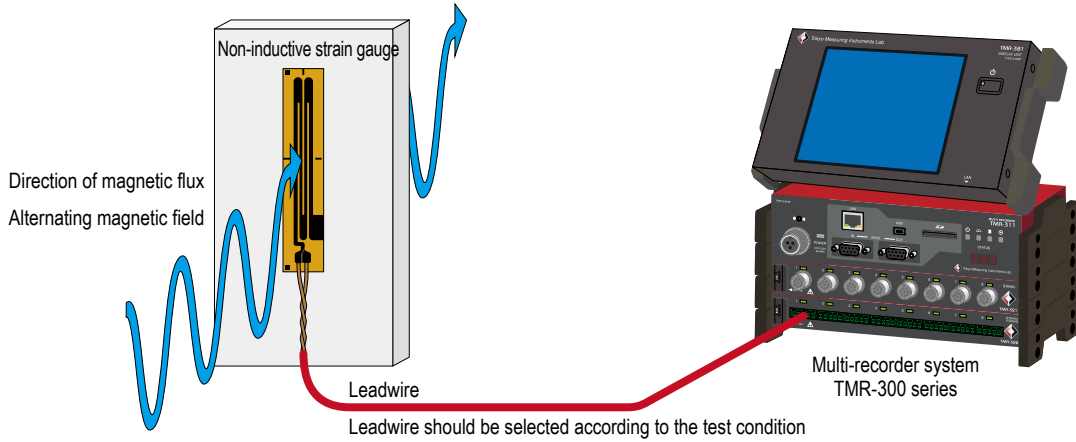
Non-inductive

QMF series

Single axis / Multi-axis



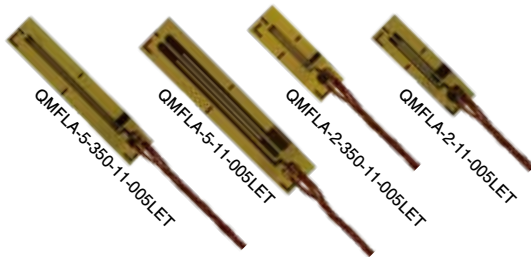
## Important point



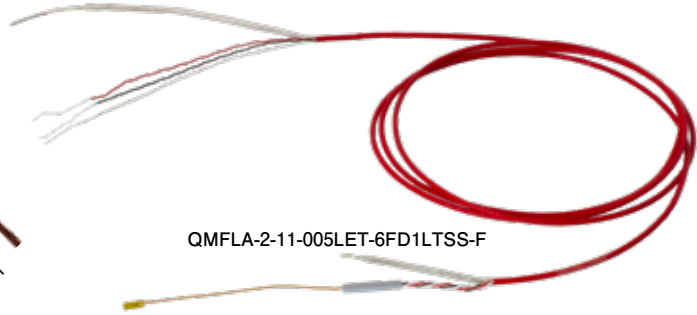
### ●Features

- 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



QMFLA-2-11-005LET-6FD1LTSS-F



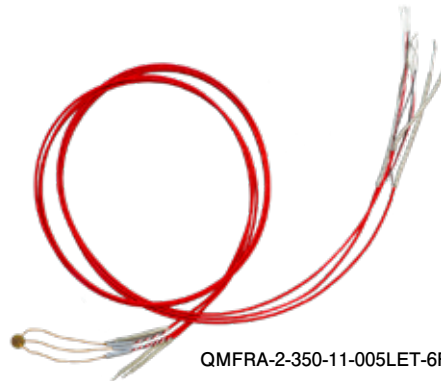
CE



QMFRA-2-350-11-005LET

QMFRA-5-11-005LET

QMFRA-5-350-11-005LET



QMFRA-2-350-11-005LET-6FD1LTSS-F