

Temperature Gauges TF series

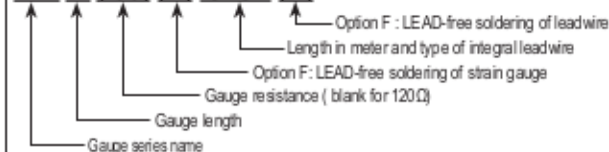




These gauges are bonded on the specimen surface like ordinary strain gauges, and measure the surface temperature. By combining with the dedicated temperature gauge adapter (TGA-1A or TGA-1B), actual temperature can be measured easily using a strainmeter.

Operating temperature range -20~+200°C	Applicable adhesives
	NP-50B -20~+200°C
	C-1 -20~+200°C
	CN -20~+120°C

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

TFL -2 (-60) (-F) -3LJB (-F)



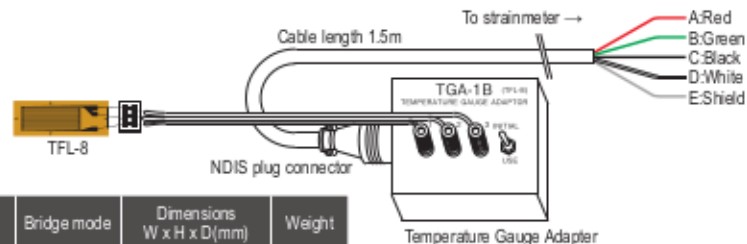
Gauge pattern	Type	Sensitivity ($\Omega/^\circ\text{C}$)	Gauge size(mm)		Backing size(mm)		Resistance Ω
			Length	Width	Length	Width	
 TFL-2-60	TFL-2-60	0.34 approx.	2	1.9	6.1	3.5	60
 TFL-8	TFL-3-60	0.34 approx.	3	3.2	8.5	5	60
	TFL-6-60	0.34 approx.	6	2.6	12.4	4.5	60
	TFL-8	0.68 approx.	8	3.5	14	5.5	120

Minimum order quantity is 10 gauges.
These gauges are available with integral leadwires attached. (made to order)

TGA-1A/TGA-1B Temperature Gauge Adapter

This adapter is used with temperature gauges TF series for direct reading of temperature with a strainmeter, and converts output to 100×10^{-6} strain/ $^\circ\text{C}$.

Minimum order quantity is 1.



Type of adapter	Applicable gauge	Temperature $^\circ\text{C}$	Sensitivity ($\times 10^{-6}$ strain/ $^\circ\text{C}$)	Accuracy ($^\circ\text{C}$)	Bridge mode	Dimensions W x H x D (mm)	Weight
TGA-1A	TFL-2-60 TFL-3-60 TFL-6-60	-20 - +200	100	± 1 or less	Full bridge	100 x 40 x 70	370g
TGA-1B	TFL-8	-20 - +200	100	± 1 or less	Full bridge	100 x 40 x 70	370g

