

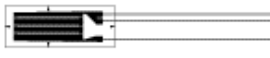


STRAIN GAGE SERIES LIST

## TF Series Temperature Gage

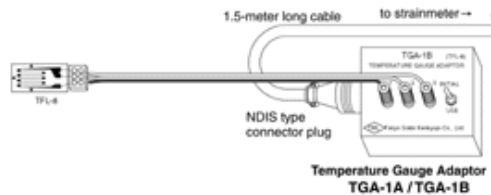
This is a series of resistance type temperature sensors (resistance thermometers). These are bonded types like strain gages and feature quick response. Exclusive adaptor is recommended for measurement using strainmeter.

Main Test Materials	General	Materials Backing	Polyimide
Operating Temperature	-20 to +200°C	Materials Element	Ni alloy foil
Compensation range	-	Strain limit	-
Bonding adhesive	NP-50 C-1,CN	Fatigue life at room temp.	-

Gage pattern	Type	Gage length (mm)	Gage width (mm)	Backing length (mm)	Backing width (mm)	Resistance (&Omega;)	Sensitivity (approx.) (&Omega;/°C)
 TFL-8	TFL-6	6	2.6	13	4.5	60	0.34 (&Omega;/°C)
	TFL-8	8	3.5	14	5.4	120	0.68 (&Omega;/°C)

● TEMPERATURE GAUGE ADAPTOR TGA-1A/TGA-1B

These adaptors are usable respectively for the TFL-6 and TFL-8 to read not only relative temperature but also real temperature with conventional strainmeter. Both units attenuates the resistance change equivalent to  $100 \times 10^{-6}$  strain per degree C.



Type	Applicable gage	Measuring range (°C)	Sensitivity ( $\times 10^{-6}/^{\circ}\text{C}$ )	Accuracy (°C)	Bridge mode	Dimensions (W) $\times$ (H) $\times$ (D)	Weight (approx.)
TGA-1A	TFL-6	-20 to +200	100	$\pm 1$ or less	Full bridge	100 $\times$ 40 $\times$ 70	370g
TGA-1B	TFL-8						