Connecting Terminals/Strain Gauge Clamp

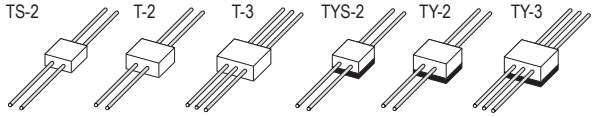
Connecting Terminals

TML Connecting Terminals provide convenient junction points to connect strain gauges to instrumentation leadwires.

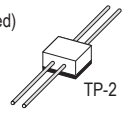
Cubic shape

for general purpose

for large strain with rubber backing

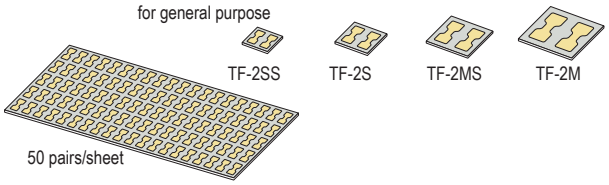


Self-bonding type
(No adhesive required)



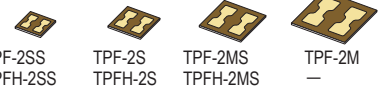
Foil shape

for general purpose



for large strain with rubber backing

High temperature use with polyimide resin backing



NB: TPFH series are heat-resistive connecting terminals with polyimide resin backing to TPF. It allows high temperature measurement using QF/ZF series gauges and bonding repetition on the terminals.

T series is made of a cubic plastic and two or three wires of approximately 0.8mm diameter are fixed to the cube. TY is laminated with rubber sheet and suitable for large strain measurement. TP-2 is a self-bonding terminal with two wires. TF is made of a 0.03mm thick copper foil and a glass-epoxy insulation base of approx. 0.15mm thick. TFY is laminated with rubber sheet approx. 0.8mm thick over the back side of TF series terminals.

Cubic type

Type	Dimensions (mm)	Operating temperature (°C)	Quantity (pcs/box)
T-2	10×10×5	−20~+90	100
T-3 (3-wire method)	10×10×5	−20~+90	100
TS-2	7.5×7.5×5	−20~+90	100
TYS-2	7.5×7.5×7	−20~+90	100
TY-2	10×10×7	−20~+90	80
TY-3 (3-wire method)	10×10×7	−20~+90	80
TP-2	10×10×6	−20~+60	100

Foil type

Type	Dimensions (mm)	Operating temperature (°C)	Quantity (pairs/sheet)
TF-2SS	4.6×3.8×0.2	–196~+180	50
TF-2S	6×5.3×0.2	–196~+180	50
TF-2MS	8×7.2×0.2	–196~+180	50
TF-2M	10×9.2×0.2	–196~+180	50
TFY-2SS	4.6×3.8×0.8	–20~+120	50
TFY-2S	6×5.3×0.8	–20~+120	50
TFY-2MS	8×7.2×0.8	–20~+120	50
TFY-2M	10×9.2×0.8	–20~+120	50
TPF-2SS	4.6×3.8×0.2	–196~+200	50
TPF-2S	6×5.3×0.2	–196~+200	50
TPF-2MS	8×7.2 ×0.2	–196~+200	50
TPF-2M	10×9.2×0.2	–196~+200	50
TPFH-2SS	4.6×3.8×0.1	–269~+350	50
TPFH-2S	6×5.3×0.1	–269~+350	50
TPFH-2MS	8×7.2×0.1	–269~+350	50

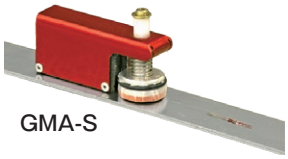
Strain Gauge Clamp

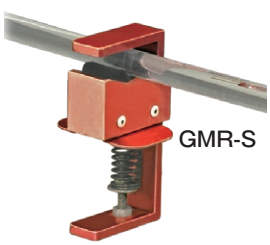
Gauge Mate GMR-S/GMA-S

When bonding a strain gauge, a fixing pressure should be applied to the gauge until curing is completed. This can be easily done using TML Gauge Mate, which is a gauge clamp device consisting of a coil spring and a permanent magnet. For use on specimens of different shapes, two types are available. Model GMA-S is for flat specimens, and model GMR-S is for round specimens. Both can be used with room-temperature curing type bonding adhesives.

Type	Application
GMR-S	Round specimen use (6~32mm- dia.)
GMA-S	Flat surface of magnetic body (1mm thick or over)

N.B: Strain gauge clamp should be used in room temperature.





Pressing Jig PRESSEE PM-19

PRESSEE is a pressing jig capable of not only pressurizing the strain gauge but also checking adhesion status from the clear pressing part with eyes. The use of PRESSEE saves time to keep pressing the strain gauge with your finger in the bonding work. In addition, since the PRESSEE can apply a constant pressure to the strain gauge, bonding quality is expected to be higher than a finger pressure.

Applicable strain gauge	Gauge length of 6mm or less and backing dimension of 15mm-dia. or less
Applicable adhesive	CN/CN-R/CN-Y, P-2, NP-50B, EA-2A, EB-2
Pressing method	Magnetic method by permanent magnet
Object to be bonded	Flat surface of magnetic body (1mm thick or over)
Dimensions	29mm-dia. x Approx. 30mm height