RESISTANCE WIRE FOR TEMPERATURE COMPENSATION AND ZERO BALANCE

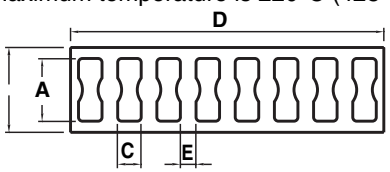
MOST POPULAR MODEL HIGHLIGHTED!

To Order *(Specify Model Number)*

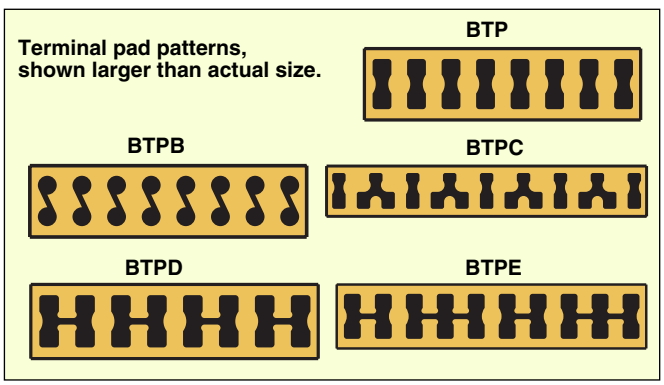
MODEL NO.	PRICE	FUNCTION	MATERIAL	Ω/FT	TEMP COEFF.	SPOOL LENGTH
SGB-36	**$70**	Zero and span temp comp.	Balco	19.7	0.45%/°C	500'
SGC-36	**20**	Zero and span temp comp.	Copper	0.415	0.39%/°C	500'
SGM-36	**26**	Zero balance	Manganin	15.2	0.002%/°C	200'

BONDABLE TERMINAL PADS

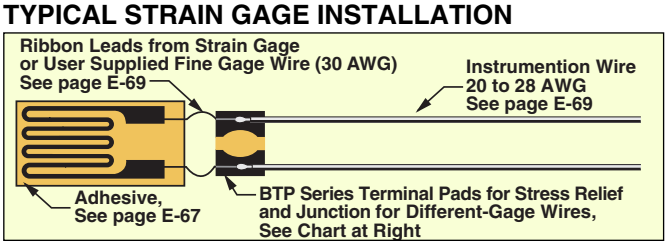
Terminal pads serve 2 main purposes. First, they act as intermediate points for attaching ribbon leads of thin-gage wire to heavier instrumentation wires. Second, they give stress relief to strain gage systems. When the heavy instrumentation wire moves, the terminal pad protects the strain gage. Carrier is polyimide with a thickness of 0.075 mm (0.003"). Minimum bending radius is 2 mm (0.079"). Maximum temperature is 220°C (428°F).



BTP-5, $40, shown actual size.



TYPICAL STRAIN GAGE INSTALLATION



BRIDGE COMPLETION RESISTORS

Accuracy: 0.1%
Temperature Compensation: 5 ppm; -20 to 80°C (-4 to 176°F)
Power: ¼ W

MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*

MODEL NO.	PRICE	Ω	MAX BRIDGE EXC.
RES-120	**$7.50**	120	10 Vdc
RES-250	**7.50**	250	15 Vdc
RES-350	**7.50**	350	18 Vdc

Note: *For strain gage accessories see pages E-56 to E-59.*
Ordering Example: RES-350, *350 Ω bridge completion resistor,* ***$7.50.***

BONDABLE TERMINAL PADS

To Order *(Specify Model Number)*

MODEL NO.	PRICE	STRIPS PER PACK	DIMENSIONS mm (in) A	B	C	D	E
BTP-1	**$18.50**	70	1.8 (0.07)	2.6 (0.1)	0.7 (0.03)	9.9 (0.39)	0.6 (0.02)
BTP-2	**20.50**	60	2.4 (0.09)	3.4 (0.13)	0.9 (0.04)	13.2 (0.52)	0.8 (0.03)
BTP-3	**29.00**	50	3.2 (0.13)	4.5 (0.18)	1.2 (0.05)	17.6 (0.69)	1 (0.04)
BTP-4	**32.00**	30	4.8 (0.19)	6.5 (0.26)	1.8 (0.07)	24 (0.94)	1.2 (0.05)
BTP-5	**40.00**	20	6 (0.24)	8.5 (0.33)	2.3 (0.09)	32.4 (1.28)	1.8 (0.07)
BTP-6	**40.00**	10	9 (0.35)	11.8 (0.46)	3.4 (0.13)	41.4 (1.63)	1.8 (0.07)
BTPB-1	**18.50**	70	1.8 (0.07)	2.6 (0.1)	0.7 (0.03)	9.9 (0.39)	0.6 (0.02)
BTPB-2	**20.50**	60	2.4 (0.09)	3.4 (0.13)	0.9 (0.04)	13.2 (0.52)	0.8 (0.03)
BTPB-3	**29.00**	50	3.2 (0.13)	4.5 (0.18)	1.2 (0.05)	17.6 (0.69)	1 (0.04)
BTPB-4	**32.00**	30	4.8 (0.19)	6.5 (0.26)	1.8 (0.07)	24 (0.94)	1.2 (0.05)
BTPB-5	**40.00**	20	6 (0.24)	8.5 (0.33)	2.3 (0.09)	32.4 (1.28)	1.8 (0.07)
BTPB-6	**40.00**	10	9 (0.35)	11.8 (0.46)	3.4 (0.13)	41.4 (1.63)	1.8 (0.07)
BTPC-1	**36.00**	30	3.2 (0.13)	4.5 (0.18)	1.2 (0.05)	28.6 (1.13)	1 (0.04)
BTPC-2	**36.00**	25	3.8 (0.15)	5.4 (0.21)	1.4 (0.06)	34.3 (1.35)	1.2 (0.05)
BTPC-3	**36.00**	20	4.8 (0.19)	6.5 (0.26)	1.8 (0.07)	39 (1.54)	1.2 (0.05)
BTPC-4	**42.00**	15	6 (0.24)	8.5 (0.33)	2.3 (0.09)	52.7 (2.07)	1.8 (0.07)
BTPD-1	**18.50**	25	2.4 (0.09)	3.4 (0.13)	0.9 (0.04)	13.2 (0.52)	0.8 (0.03)
BTPD-2	**23.50**	25	3.2 (0.13)	4.5 (0.18)	1.2 (0.05)	17.6 (0.69)	1 (0.04)
BTPD-3	**26.00**	20	4.8 (0.19)	6.5 (0.26)	1.8 (0.07)	24 (0.94)	1.2 (0.05)
BTPE-1	**28.50**	25	2.4 (0.09)	3.4 (0.13)	0.9 (0.04)	16.5 (0.65)	0.8 (0.03)
BTPE-2	**34.00**	25	3.2 (0.13)	4.5 (0.18)	1.2 (0.05)	22 (0.87)	1 (0.04)
BTPE-3	**35.50**	20	4.8 (0.19)	6.5 (0.26)	1.8 (0.07)	30 (1.18)	1.2 (0.05)

NEW ADHESIVES

TT300
$220

TT300, complete strain gage adhesive kit, $220, shown smaller than actual size.

KIT INCLUDES

- Two 1 oz Resin Bottles (½ Filled)
- Two 1 oz Hardener Bottles (½ Filled)
- Two Plastic Funnels (35 mm Dia.)
- Two Brush Caps
- One 2 oz Bottle of Acetone
- One 2 oz Bottle of Acid Primer
- One 2 oz Bottle of Neutralizer
- One 2 oz Bottle of Resin Solvent
- Operator's Manual

OMEGA® TT300 cement is a heat-cured, 2-part epoxy adhesive that can be used to bond polyimide-backed strain gages for strain measurement up to 200°C (392°F). Each TT300 kit includes 2 bottles of resin and hardener that are pre-measured to ensure proper mixing proportions. To use, simply pour one bottle of hardener into one bottle of resin and shake for 1 minute.

A bottle each of hardener and resin produce approximately ¾ oz of adhesive. The shelf life of the resin-hardener mixture is 6 weeks at room temperature. The shelf life of the unmixed components is indefinite, provided that the bottles are kept tightly sealed. Each TT300 kit includes 2 oz of acetone, acid primer, neutralizer, and rosin solvent for cleaning and preparing the surface, as well as 2 funnels and 2 cap brushes.

See Section Y for a Selection of Scientific, Technical, and Reference Books Available from omega.com

SG496 and SG401 are general purpose cold-curing, 1-part glues. They are the most commonly used adhesives for strain gages. They cure in 1 minute, but require 24 hours to set. SG401 is an ethyl-based cyanoacrylate, and SG496 is a methyl-based cyanoacrylate. They have a 1-year shelf life at room temperature, but shelf life may be longer at colder temperatures. The glue temperature range is -54 to 82°C (-65 to 180°F).

MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*

MODEL NO.	PRICE	DESCRIPTION
TT300	**$220**	Complete strain gage adhesive kit
SG496	**28**	1 oz methyl-based cyanoacrylate (approx. 750 gages)
SG401	**10**	0.1 oz ethyl-based cyanoacrylate (approx. 50 gages)

Note: *For strain gage accessories see pages E-56 to E-59.*
Ordering Example: TT300, *complete strain gage adhesive kit,* ***$220.***

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