

ADHESIVES

TT300



TT300, complete strain gage adhesive kit, 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 ¼ 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.

OMEGA's 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).

To Order

MODEL NO.	DESCRIPTION
TT300*	Complete strain gage adhesive kit
SG496	1 oz methyl-based cyanoacrylate (approximately 750 gages)
SG401	0.1 oz ethyl-based cyanoacrylate (approximately 50 gages)

* Not available for sale in Brazil.

Note: For strain gage accessories visit us online.

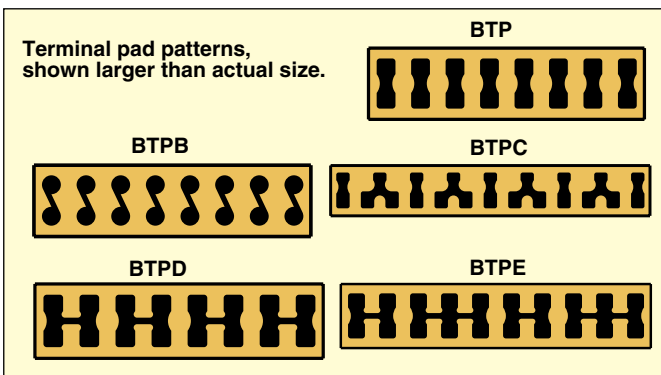
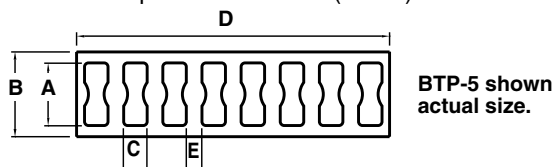
Ordering Example: TT300, complete strain gage adhesive kit.

RESISTANCE WIRE FOR TEMPERATURE COMPENSATION AND ZERO BALANCE

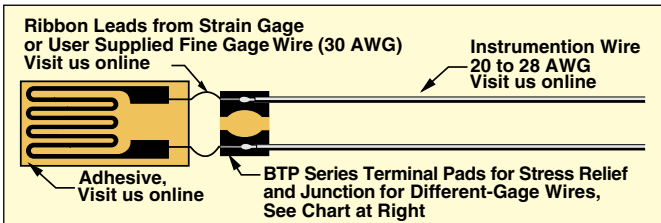
To Order					
MODEL NO.	FUNCTION	MATERIAL	Ω /FT	TEMP COEFF.	SPOOL LENGTH
SGB-36	Zero and span temp comp.	Balco	19.7	0.45%/°C	500'
SGC-36	Zero and span temp comp.	Copper	0.415	0.39%/°C	500'
SGM-36	Zero balance	Manganin	15.2	0.002%/°C	200'

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).



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

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

Note: For strain gage accessories visit us online.
 Ordering Example: RES-350, 350 Ω bridge completion resistor.

BONDABLE TERMINAL PADS

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