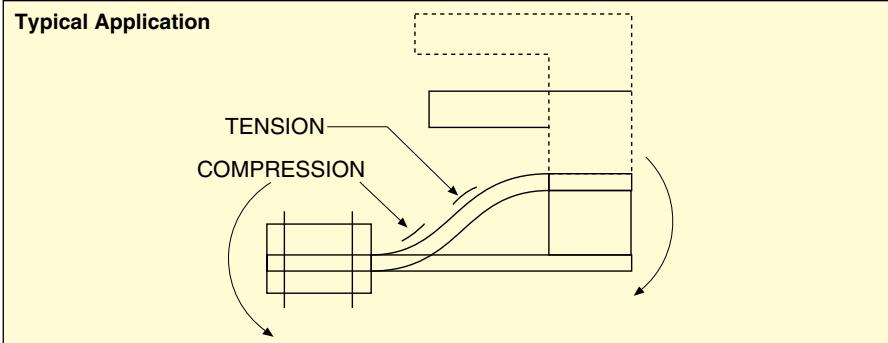


TRANSDUCER QUALITY STRAIN GAGE

HALF BRIDGE UNIAXIAL STRAIN GAGES

- ✓ Available with Ribbon Leads or Solder Pads
- ✓ Temperature Characteristics Matched to Steel or Aluminum
- ✓ Dual Linear Half-Bridge for Double Bend Transducer Applications
- ✓ Custom Gages Available

OMEGA offers transducer quality strain gages in dual linear patterns in a half-bridge design with a common tab. These strain gages might be used for transducer design for beams that have a contraflexure point. Defined as a point in a structure where bending occurs in opposite directions. A transducer may also be described as a reversed bending beam. The grids are linear, both in the same direction, and are typically used for bending strain applications.

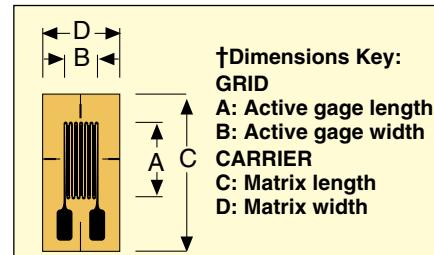


Three styles are available:

Standard: SGT-1LH/350-TY**, with grid centerline to centerline spacing of 5.46 mm (0.215")

Wide Grid: SGT-1LH/1000-TY**, with grid centerline to centerline spacing of 5.46 mm (0.215")

Large: SGT-2LH/350-TY**, with grid centerline to centerline spacing of 10.50 mm (0.413")



To Order

GAGE PATTERN Leads not shown	MODEL NO. Pkg of 5	NOM. RESIS- TANCE (Ω)	DIMENSIONS mm (inch) [†]				MAX V* (Vrms)	TERMINATION	TEMP COMP			
			GRID		CARRIER							
			A	B	C	D						
 ↗ ↗ ↗ ↗	SGT-1LH/350-TY11	350	1.5 (0.059) 2.5 (0.098) 9.2 (0.362) 4.0 (0.157) Linear pattern, dual grid, half-bridge, common-tab pattern 350 Ω	6.5	Ribbon Leads	ST						
	SGT-1LH/350-TY13	350		9	Ribbon Leads	AL						
	SGT-1LH/350-TY41	350		6.5	Solder Pads	ST						
	SGT-1LH/350-TY43	350		9	Solder Pads	AL						
 ↗ ↗ ↗ ↗	SGT-1LH/1000-TY11	1000	1.5 (0.059) 4.8 (0.198) 9.2 (0.362) 6.0 (0.236) Wide linear pattern, dual grid, half-bridge, common-tab pattern 1000 Ω	15	Ribbon Leads	ST						
	SGT-1LH/1000-TY13	1000		20	Ribbon Leads	AL						
	SGT-1LH/1000-TY41	1000		15	Solder Pads	ST						
	SGT-1LH/1000-TY43	1000		20	Solder Pads	AL						
 ↗ ↗ ↗ ↗	SGT-2LH/350-TY11	350	1.6 (0.063) 2.3 (0.091) 14.3 (0.563) 4.0 (0.157) Large linear pattern, dual grid, half-bridge, common-tab pattern 350 Ω	6.5	Ribbon Leads	ST						
	SGT-2LH/350-TY13	350		9	Ribbon Leads	AL						
	SGT-2LH/350-TY41	350		6.5	Solder Pads	ST						
	SGT-2LH/350-TY43	350		9	Solder Pads	AL						

DISCOUNT SCHEDULE

1 to 10 pkgs.....	Net
11 to 24 pkgs.....	.5%
25 to 49 pkgs.....	10%
50 and up and OEM ..	Consult Factory

* Maximum permitted bridge energizing voltage (Vrms).

Note: For strain gage accessories, visit us online.

Ordering Example: SGT-2LH/350-TY11, package of 5, with ribbon leads nominal resistance 350 Ω .

** TY11, TY13, TY41 or TY43.

NOTE
 ST = Steel
 AL = Aluminum