

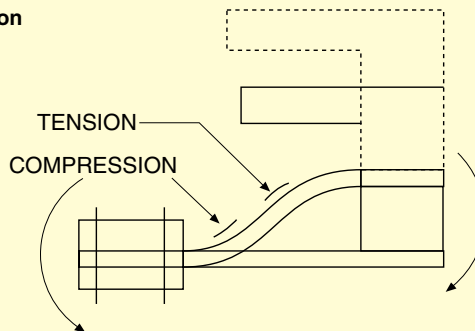
TRANSDUCER QUALITY STRAIN GAGE

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

TRODEKS 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.

Typical Application

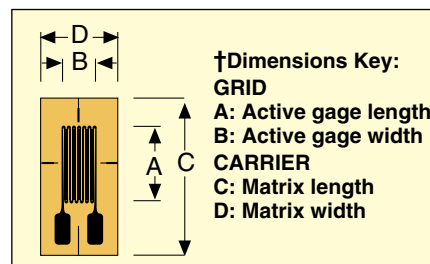


Three styles are available:







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			
<div>Shown larger than actual size 9.2 mm</div> <div></div> <div></div>	SGT-1LH/350-TY11	350	1.5 2.5 9.2 4.0 (0.059) (0.098) (0.362) (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
<div>Shown larger than actual size 9.2 mm</div> <div></div> <div></div>	SGT-1LH/1000-TY11	1000	1.5 4.8 9.2 6.0 (0.059) (0.198) (0.362) (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
<div>Shown larger than actual size 14.3 mm</div> <div></div> <div></div>	SGT-2LH/350-TY11	350	1.6 2.3 14.3 4.0 (0.063) (0.091) (0.563) (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