

PRECISION GRAM SENSOR

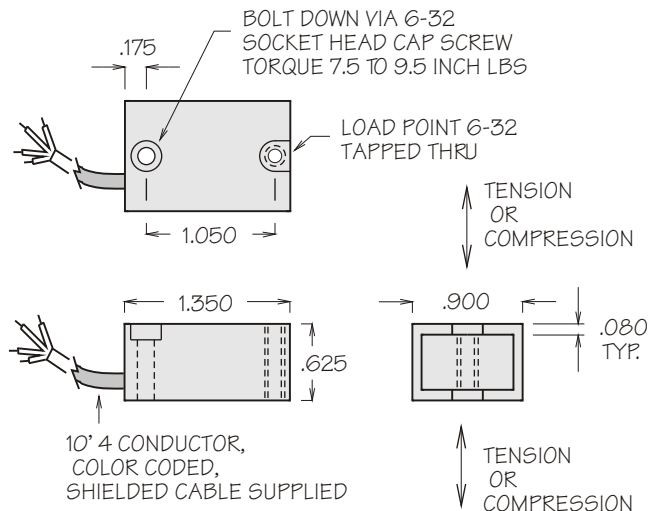
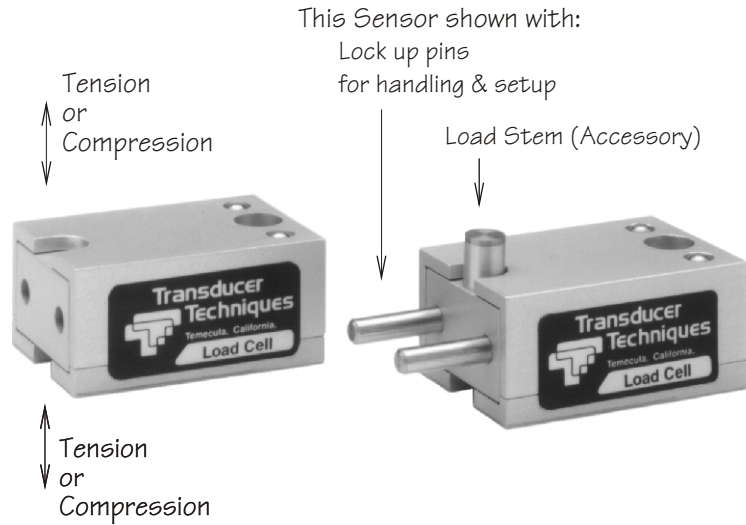
UNIVERSAL / TENSION OR COMPRESSION

GS0 SERIES

CAPACITY RANGES:

10, 25, 30, 50, 100, 150,
250, 500, 1,000 GRAMS

The GS0 Series can be utilized in tension or compression or both with excellent compliance. The force sensing end of the anodized aluminum GS0 Series is tapped 6-32 thru for attachment possibilities for almost any application. Bonded foil strain gages at the sensing element provide for excellent stability over the suggested temperature range and ensure long term reliability. Call for application assistance.



SPECIFICATIONS

Rated Output (R.O.):	1 mV/V nominal
Nonlinearity:	0.05% of R.O.
Hysteresis:	0.05% of R.O.
Nonrepeatability:	0.05% of R.O.
Zero Balance:	1.0% of R.O.
Compensated Temp. Range:	60° to 160°F
Safe Temp. Range:	-65° to 200°F
Temp. Effect on Output:	0.005% of Load/°F
Temp. Effect on Zero:	0.005% of R.O./°F
Terminal Resistance:	350 ohms nominal
Excitation Voltage:	10 VDC
Safe Overload:	150% of R.O.
Deflection Inches:	0.004 @ R.O.
Weight:	1 oz. all ranges

MODEL	CAPACITY GRAMS	NATURAL RINGING FREQUENCY HZ	DEFLECTION INCHES
GS0-10	10	260	.004
GS0-25	25	475	.004
GS0-30	30	360	.004
GS0-50	50	440	.004
GS0-100	100	610	.004
GS0-150	150	700	.004
GS0-250	250	1000	.004
GS0-500	500	1450	.004
GS0-1K	1,000	2000	.004