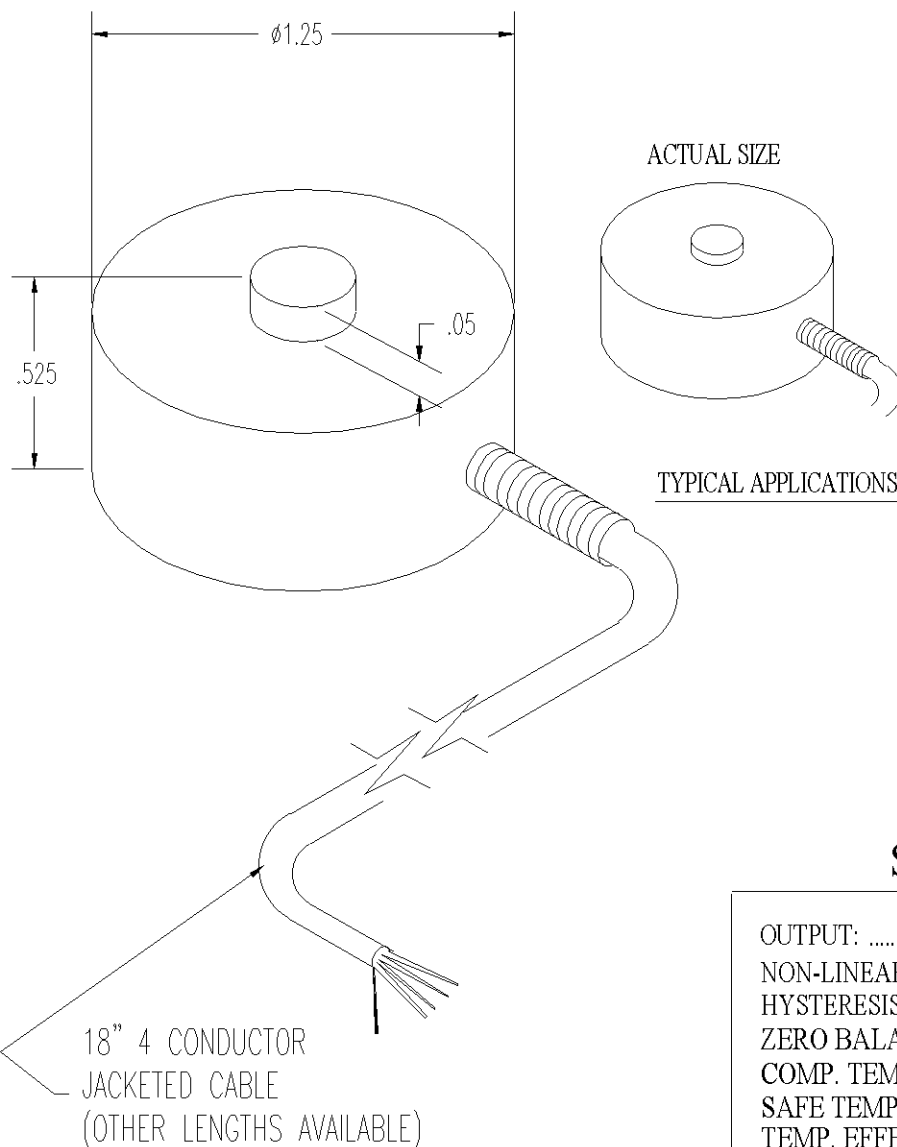


# MINIATURE BUTTON LOAD CELL COMPRESSION APPLICATIONS M1000 MODEL

CAPACITIES: 10, 25, 50, 100, 250, 500, 1K, 2K, 3K, 4K & 5K LBS.



TYPICAL APPLICATIONS THIS MINIATURE LOAD SENSOR MEASURES COMPRESSIVE FORCE. IDEAL FOR MONITORING CHANGING FORCES ON A BEARING OR PILLOW BLOCK. TRULY VERSATILE, THE M1000 IS USED IN A VAST ARRAY OF FORCE MONITORING APPLICATIONS.

## SPECIFICATION

OUTPUT:	.....2.0 mV NOMINAL
NON-LINEARITY:	..... .05% F.S.O.
HYSTERESIS:	..... .05% F.S.O.
ZERO BALANCE:	..... ± 1%
COMP. TEMP. RANGE:	..... 0-150 °F
SAFE TEMP. RANGE:	..... -40-180° F
TEMP. EFFECT. ON OUTPUT:	..... .001 %/°F
TEMP. EFFECT ON ZERO:	..... .01 %/°F
TERMINAL RESISTANCE:	..... 350 OHMS
EXCITATION VOLTAGE:	..... 0-15 VDC
SAFE OVERLOAD:	..... 200%

"DO NOT ALTER WITHOUT AGENCY NOTIFICATION "



APPROVED

INTRINSICALLY SAFE  
AND NONINCENDIVE FOR  
CLASS I, II, III, DIV. 1 & 2,  
GP A-G HAZ. LOCATION PER  
DWG. 50010  
TEMP CODE T4 @ 85°C

OPTIONS: OPERATING TEMP., CABLE LENGTH, 0-5 V, 4-20 mA,  
S.S. ARMORED CABLE, TEFLON CABLE, CALIBRATION,  
MIL-STD 4562, OTHER OPTIONS OR VARIATIONS AVAILABLE.  
MATCHED OUTPUTS ALSO AVAILABLE

Always use load cells below the specified load rating. Load applied must be in the primary load axis. Extraneous loads or compound stress must be avoided. De-rate load cell maximum load or supply safety hardware where failure could cause injury or damage. (I.E. safety chains, safety rods etc.) Do not jerk load or apply load at high rate of speed. Inspect routinely for damage or corrosion, replace if found. Consult a qualified engineer prior to use.