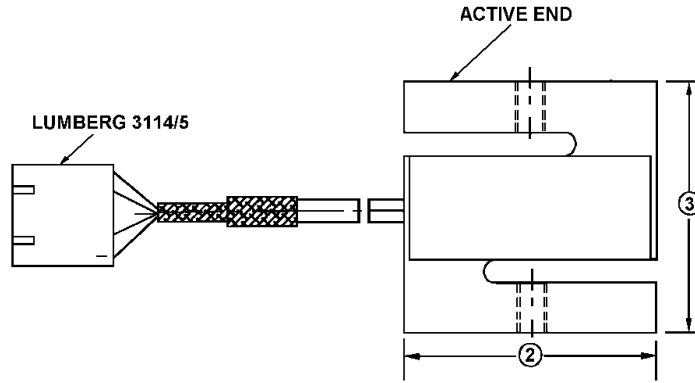


MODEL SMA WITH LUMBERG CONNECTOR CALIBRATION CERTIFICATE INSTALLATION INFORMATION

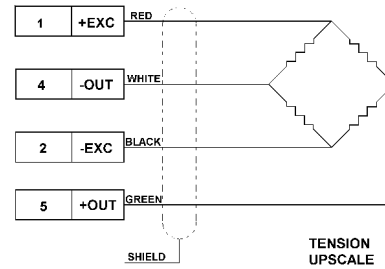
INSTALLATION DIMENSIONS

	1	2	3	4
in.	0.38	1.38	1.38	0.56
mm	9.53	35.0	35.0	14.2



ELECTRICAL INFORMATION

The SMA is supplied with a teflon 4-conductor shielded cable (AWG28) 18 inch (-251) or 40 inch (-304) long. The shield is isolated from the load cell body.



APPLICATION NOTES

- The SMA load cell is intended for controlled environment applications. It may be used in humidity up to 95% RH non condensing. It is not recommended for exposure to spray or submersion.
- At least one diameter thread engagement is desirable; normal engagement is 1/4 to 1/2 inch (6-12mm).
- Bottoming out of the mounting stud can cause irreparable damage to the load cell.

- Jam nuts may be used, however, react torque only on the load cell structure adjacent to the jam nut.
- The force to be measured should be applied to the active end of the cell to eliminate possible errors due to cable interaction. The active end of the cell is separated from the cable/connector side by the slow (cutout) in the flexure.

PERFORMANCE SPECIFICATIONS

Rated Output (RO)	2.5 +/-0.125 mV/V
Nonlinearity	<+/-0.05 %FS
Hysteresis	<+/-0.05 %FS
Temperature Range, Compensated	15 to 115°F
Temperature Range, Operating	-65 to 200°F
Temperature Effect on Output	<+/-0.0008 %/°F
Temperature Effect on Zero	<+/-0.005 %/°F
Zero Balance	-0.6 to 0 %RO
Input Resistance	350 ohms +40, -3.5
Output Resistance	350 ohms +/-3.5
Excitation Recommended	10 VDC or VAC

CALIBRATION DATA

MODEL:
CAPACITY:

Date:
Serial:

TEST LOAD
APPLIED (units)

RECORDED READINGS (mV/V)
Tension Compression

