

**Inductive Joystick Reliability Data**  
**1 Axis and 2 Axis Miniature Joystick Series**

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Rev. 10/24/05

**1.) Electrical**

Power Consumption	10mA @ 5VDC (typical)
Repeatability	>1%
Calibration	> 1% of Full Scale (typical) > 2% of Full Scale (worse case)

**2.) Enviromental**

Operating Temperature	0°C to 80°C (standard) -40°C to 80°C (with "D" option)
Storage Temperature	-40°C to 80°C

**3.) Sealing**

Water Tight	NEMA 4 (IP66)
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**4.) Reliability**

MTBF	Greater than 100,000 hours
Life	10,000,000 random deflections
Optional Push Button Switch	1,000,000 cycles maximum

**5.) Shock**

Peak Value	30g to 50g depending on knob & spring option
Pulse Duration	11 ms
Waveform	Half Sine

**6.) Vibration**

Frequency	Displacement (inches)
5 - 25 Hz	0.1
25 - 55 Hz	0.03

**7.) Certifications**

Compliant with FCC class A and B regulations

"CE" classification option requires the following modifications:

a.) Ferrite bead on ribbon cable (made by CTI Electronics)

b.) Shielded enclosure and shielded cable (made by customer)

ESD rated to 15KV