

# MODELS LT/MLT • LINEAR POSITION TRANSDUCER

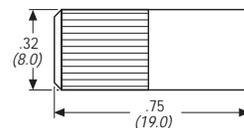
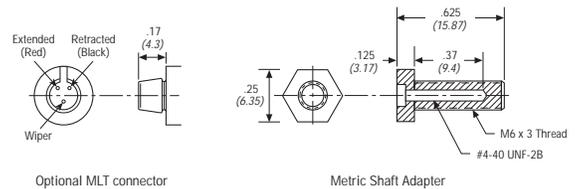
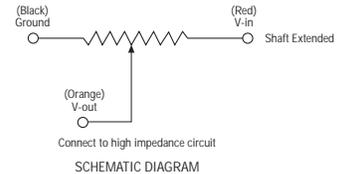
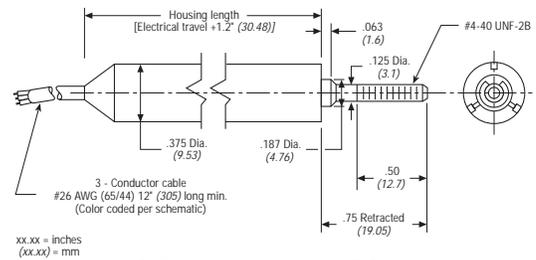
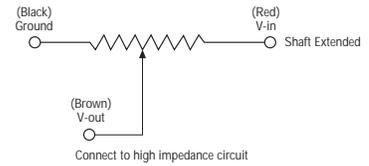
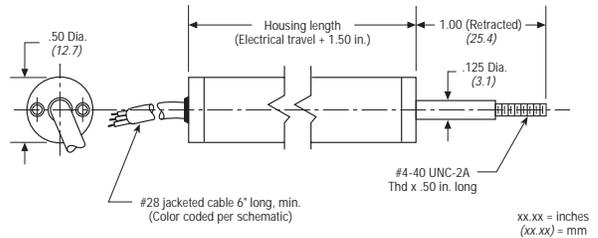
## TECHNICAL SPECIFICATIONS

MODELS	LT	MLT
<b>MECHANICAL</b>		
Total Mechanical Travel	1.05 to 10.05 in. (min) 26.7 to 255.3 mm (min)	.55 to 6.05 in. (min) 13.9 to 153.7 mm (min)
Starting Force	1.0 oz (max)	
Shock	50 g 11 ms half sine	
Vibration	20 g rms 5 Hz to 2 KHz (MLT only)	
Life	One billion dither operations	
<b>ELECTRICAL</b>		
Theoretical Electrical Travel (in 1" increments)	1 to 10 in. (25.4 to 254.0mm)	1/2 to 6 in. (12.7 to 152.4mm)
Independent Linearity	±1.0%	
Total Resistance	1000 Ω/in. electrical travel	1500 Ω/in. electrical travel
Resistance Tolerance	±20%	
Operating Temperature	-40° to 80°C (-40° to 176°F)	
Resolution	Infinite	
Insulation Resistance	1000 MΩ @ 500 Vdc	500 MΩ @ 500 Vdc
Dielectric Strength	1000 V rms	
Power Rating	0.25 Watt/in. electrical travel	0.20 Watt/in. electrical travel
Recommended Wiper Current	<1μA	

### OPTIONS\*\*

- Other resistance values
- Independent Linearity to ± .1% Travels > 1 inch\*
- Water resistant seal\*\*\*
- Three pin connector for MLT

### DIMENSIONS



\*5-95% of Theoretical Electrical Travel  
 \*\*Minimum quantities may be required.  
 \*\*\*LT only, 12 oz. (340 g) max. starting force  
 NOTE: Do not test using an Ohmmeter on Rx 1 scale or other current devices.  
 Excessive wiper current can cause output error or damage.  
 Zero side load is recommended to achieve maximum life.