

MLT Series

Linear position transducer, 3/8 in Diameter

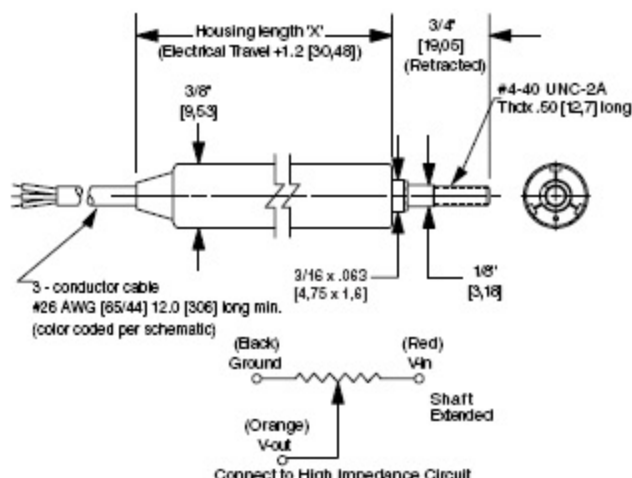


The MLT Series is 3/8 in diameter linear position transducer that is rugged enough to withstand hostile factory environments. Using a proprietary dual wiper, internal ball joint and the MystR[®] conductive plastic film the MLT provides a usable output at high vibration levels over long periods of time. MLT transducers use precious metal wipers to further enhance reliability.

The MLT's 3/8 inch diameter is among the smallest available and can be used to replace LVDT's in many applications.

Operating temperature:	-40 °C to 80 °C (-40 °F to 176 °F)
Supply voltage (max.):	30 Vdc
Starting force (max.):	28,35 g (1.0 oz)
Backlash (max.):	0,0127 mm (0.0005 in)
Shaft Ø:	1/8 in
Termination:	Cable
Housing length:	= Electrical travel + 1.20 in (30,48 mm)
Mechanical travel:	= Electrical travel + 0.05 in (1,27 mm)

	Electrical Travel (in (mm))	Total Resistance (Ohm)
MLT0R5	0.5 (12,7)	750
MLT001	1.0 (25,4)	1500
MLT002	2.0 (50,8)	3000
MLT003	3.0 (76,2)	4500
MLT004	4.0 (101,6)	6000
MLT005	5.0 (127,0)	7500
MLT006	6.0 (152,4)	9000



OPTIONS

± 0.1 % Linearity

ELECTRICAL TRAVEL	REFERENCE
2.0 (50,8)	MLT003N3000B5C
3.0 (76,2)	MLT003N4500B5C
4.0 (101,6)	MLT004N6000B5C
5.0 (127,0)	MLT005N7500B5C
6.0 (152,4)	MLT006N9000B5C

± 0.25 % Linearity

ELECTRICAL TRAVEL	REFERENCE
1.0 (25,4)	MLT001N1500D5C

± 1.0 % Linearity

ELECTRICAL TRAVEL	REFERENCE
0.5 (12,7)	MLT0R5N0750F5C
1.0 (25,4)	MLT001N1500F5C
2.0 (50,8)	MLT002N3000F5C
3.0 (76,2)	MLT003N4500F5C
4.0 (101,6)	MLT004N6000F5C
5.0 (127,0)	MLT005N7500F5C
6.0 (152,4)	MLT006N9000F5C