

75 Series AC/AC

Linear Variable Differential Transformer

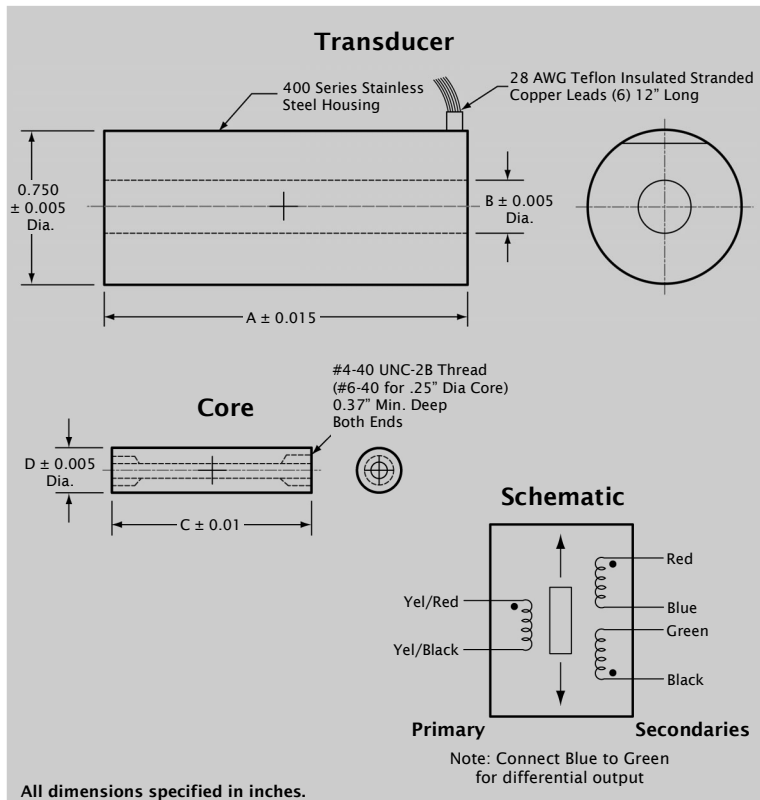


The 75 Series LVDT is suitable where cost is of concern but performance and reliability are desired. Its rugged construction will resist the shocks and vibrations occurring in most industrial environments. In addition, it offers high output sensitivity. A magnetic stainless steel housing provides electromagnetic and electrostatic shielding. Offering a low cost answer to many applications, the 75 Series LVDT does not compromise on quality.

OPTIONS

- Linearity $\pm 0.25\%$ of full range
- Strokes up to 30"
- Metric threaded core/ small diameter core
- Teflon Liner
- Testing at customer specified excitation frequency
- 4 or 5 leads configuration
- Matching signal conditioner available

DIMENSIONS AND WIRING



Technical Specifications @ 2.5 kHz

Models	Linear Range (inches)	Sensitivity ($mV_{out}/mil/V_{in}$)	Coil Length "A" (inches)	Coil I.D. "B" (inches)	Core Length "C" (inches)	Core O.D. "D" (inches)	PERFORMANCE
75-00-050	± 0.050	7.0	1.00	0.312	0.60	0.250	Non-Linearity $\pm 0.50\%$ of Full Scale
75-00-100	± 0.100	2.4	1.75	0.235	1.25	0.187	Operating Temperature Range -55°F to 221°F (-50°C to 105°C)
75-00-200	± 0.200	1.6	2.25	0.210	1.65	0.187	ELECTRICAL
75-00-500	± 0.500	0.7	4.56	0.210	3.00	0.187	Input Voltage 3 Volts AC RMS (Nominal)
75-01-000	± 1.000	0.7	7.05	0.210	3.60	0.187	Input Frequency 400 Hz to 10 kHz
75-02-000	± 2.000	0.4	10.50	0.210	6.20	0.187	Null Voltage Less than 1.0% of Full Scale Output
75-03-000	± 3.000	0.23	15.19	0.312	7.00	0.250	
75-05-000	± 5.000	0.13	19.75	0.312	8.50	0.250	

WARRANTY

All Sentech Inc. products are warranted against defective materials and workmanship. This warranty applies for a period of one year from the date of delivery to the original purchaser. Any product that is found within the one year period not to meet these standards will be replaced or repaired at the discretion of Sentech Inc. No other warranty is expressed or implied. Although Sentech Inc. manufactures its products to exacting specification standards, we assume no responsibility for their misuse. Sentech Inc. accepts no liability for damages, incidental or punitive, in applications using our products. *Please note:* It is solely the user's responsibility to properly install and maintain transducers. Sentech Inc. manufactures its products to meet stringent specifications and cannot assume responsibility for those consequences arising from their misuse or unauthorized modification.

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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