

375 Series AC/AC

Linear Variable Differential Transducer

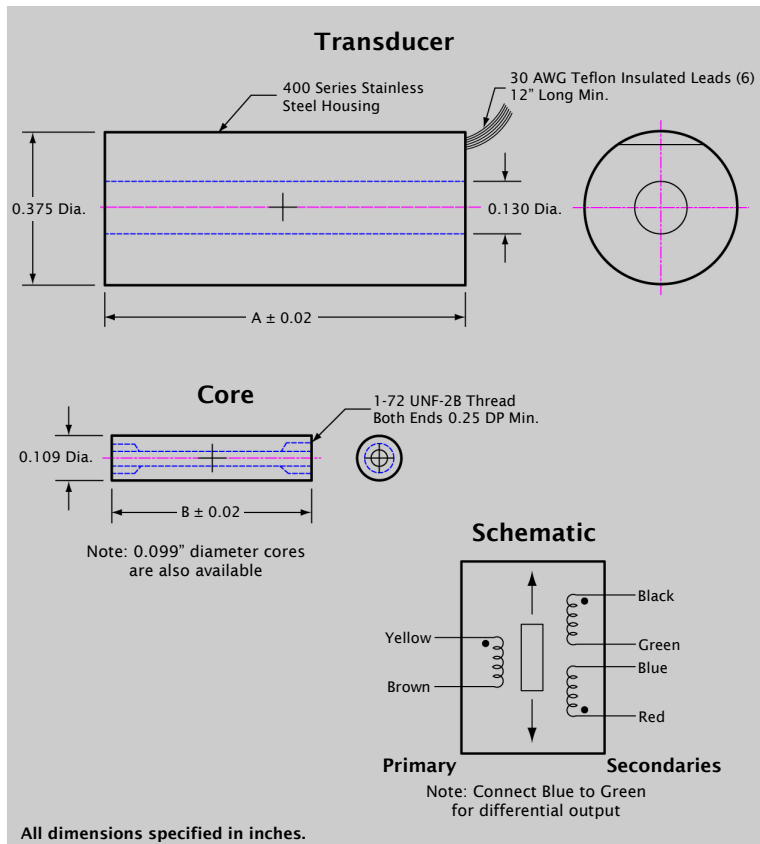


The 375 Series LVDT is suitable where space is of premium or the mass of the unit is important. It offers better response due to improved mechanical & electrical time constant. Its rugged construction will resist the shocks and vibrations occurring in most industrial environments. In addition, it offers high output sensitivity. A magnetic stainless steel housing provides electromagnetic and electrostatic shielding.

OPTIONS

- Metric threaded core
- Smaller diameter core or larger bore
- Testing at customer specified excitation frequency
- 4 or 5 leads configuration
- Heavier gauge leads or different insulation
- Matching signal conditioner available

DIMENSIONS AND WIRING



Technical Specifications @ 2.5 kHz

Models	Linear Range (inches)	Sensitivity (mV _{out} /mil/V _{in})	Length "A" (inches)	Core "B" (inches)
375-005	±0.005	3.2	0.38	0.18
375-010	±0.010	3.2	0.38	0.18
375-025	±0.025	4.8	0.66	0.40
375-050	±0.050	2.7	0.80	0.50
375-100	±0.100	2.4	1.00	0.62
375-250	±0.250	1.8	1.82	1.12
375-500	±0.500	1.6	3.28	2.00
375-1000	±1.000	0.8	5.62	3.00

PERFORMANCE

Non-Linearity ±0.25% of Full Scale

Operating Temperature Range -65°F to 280°F (-55°C to 137°C)

ELECTRICAL

Input Voltage 3 Volts AC RMS (Nominal)

Input Frequency 400 Hz to 20 kHz

Null Voltage Less than 0.5% of Full Scale Output

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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