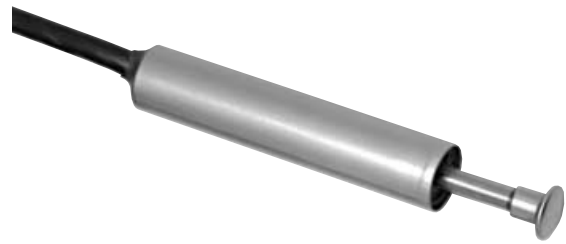


Series 330

3/8 Inch

AC Gaging LVDTs

The Series 330 3/8" AC Gaging LVDTs provide precise linear displacement sensing in a compact, spring loaded package. Advanced coil winding techniques are employed to minimize package length and optimize overall performance. Spring forces have been carefully selected to insure the proper balance of mechanical frequency response and tip force. Available in strokes ranging from ± 0.005 " to ± 1.0 ", these sensors are ideally suited to material thickness measurements, single or multi-point surface profiling, creep testing, or any other application requiring the use of a small, spring loaded LVDT. These transducers are also an excellent replacement for a standard dial indicator.



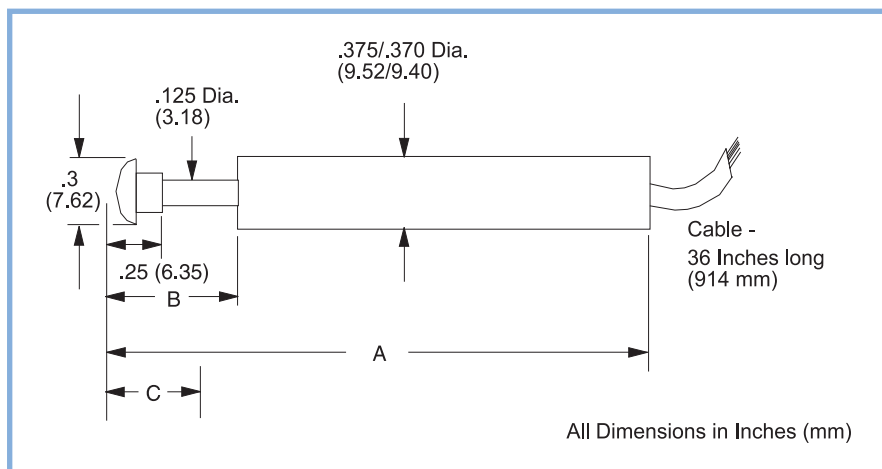
KEY FEATURES

- Ranges from ± 0.005 " to ± 1.0 "
- 20 Microlnch Repeatability
- Non-linearity $\leq 0.20\%$
- Self-Lubricating Bearing

SPECIFICATIONS - ELECTRICAL (Reference frequency 7.0 KHz)

MODEL	UNITS	0330-0000	0331-0000	0332-0000	0333-0000	0334-0000	0335-0000	0336-0000	0337-0000
LINEAR RANGE	\pm Inches \pm (mm)	0.005 (0.13)	0.01 (0.26)	0.025 (0.64)	0.05 (1.27)	0.1 (2.54)	0.25 (6.35)	0.5 (12.7)	1.0 (25.4)
NON LINEARITY		< $\pm 0.25\%$ Max.			< $\pm 0.20\%$ Max.				
OVERTRAVEL		OUTPUT MONOTONIC OVER ENTIRE MECHANICAL TRAVEL							
TEMPERATURE RANGE		-4°F to +176°F (-20°C to +80°C) (OPERATING)				-65°F to +176°F (-54°C to +80°C) (STORAGE)			
TEMP. COEFFICIENTS		ZERO: < $\pm 0.001\%$ Linear Range/°F				SENSITIVITY: < $\pm 0.01\%$ /°F			
SENSITIVITY	V/in./V $\pm 10\%$	4	4	4	4	4	2	1	0.5
PHASE ANGLE	°	5	5	5	5	5	0	0	0
INPUT IMPEDANCE	Ohms	260	255	250	245	480	320	300	355
INPUT RESISTANCE	Ohms DC	36	36	36	36	60	22	30	40
OUTPUT RESISTANCE	Ohms DC	135	135	135	135	205	210	170	185
NULL VOLTAGE	% V Ex. Max.	0.2	0.25	0.3	0.4	0.8	1	1	1
MAXIMUM EXCITATION		15 VRMS							

DIMENSIONAL DRAWING



SCHEMATIC

