

Series AM

AC Displacement Sensor (Slim-line™)



Series AM, Slim-line™ AC LVDTs are designed for applications where space is restricted. Housed in just 9.5 mm diameter stainless steel housing, these LVDTs provide excellent linearity and repeatability.

High temperature resistant models are also available.

9.5 mm

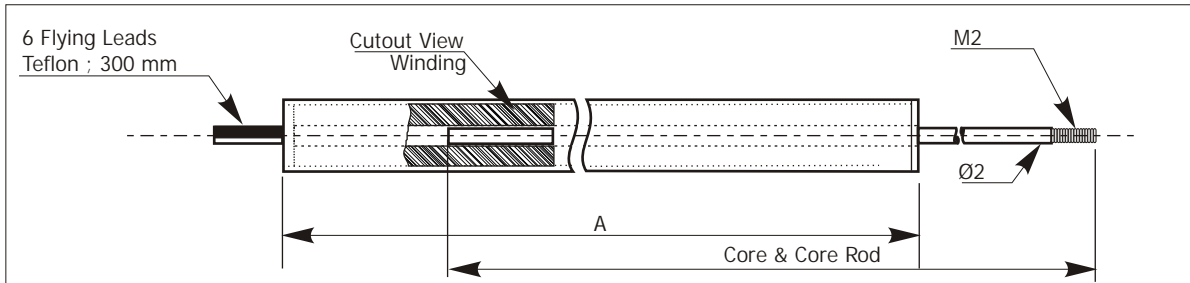


Features

- Small Diameter
- Stainless Steel Construction
- Non-Linearity error as low as 0.25 % FSR
- Rugged Construction
- 5-Year Warranty

Options

- High Temperature Resistant
- Low Temperature Resistant
- Guided Core
- External Spring Loaded

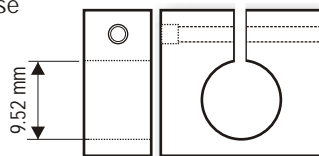


Specifications

Model	001 AM	002 AM	005 AM	010 AM	015 AM	020 AM	025 AM	030 AM	040AM
Full Stroke Range (mm)	+/- 1	+/- 2	+/- 5	+/- 10	+/- 15	+/- 20	+/- 25	+/- 30	+/- 40
Output Sensitivity (mV/V/mm)	100	80	40	20	14	11	9	8	5
Non-linearity (% FSR)	0.25	0.25	0.3	0.3	0.33	0.33	0.33	0.33	0.4
Body Length (mm) A	36	52	65	76	88	100	112	124.5	152
Body Diameter (mm)	9.5	9.5	9.5	9.5	12.7	12.7	12.7	12.5	12.7
Excitation	1 to 5V, 2 to 5 kHz, Sine wave								
Phase Shift	Less than 10 degrees at 2 kHz								
Operating Temp. Range	-10 to +65 deg C								
Temp. Coefficient (% fsr/ degC)	Zero: < 0.02; Output: < 0.05								
Housing Material	Stainless Steel								
Termination	6 flying leads; 300 mm Long, PTFE Insulated								

Accessories

LVDT Body Clamps
Often it is required to mount the LVDTs while installations. These Body clamps are available for slim-line LVDT. Made of reinforced fibre, these clamps provide excellent solution for LVDT installation



Related Electronics

- AC301 Signal Conditioner Card (OEM Version)
- AC302 Signal Conditioner Card with 4...20 mA Output
- AI301 Mains operated Signal Conditioner Module.
- AI340 High Resolution 4½ Digit Display
- AI350 3½ Digit Display Indicator
- AI350V 3½ Digit Display Indicator with Voltage Output
- AI350I 3½ Digit Display Indicator with Current Output (4...20mA)
- AI372 Microprocessor Based LVDT Indicator with Rs232 Output ; 2-Set-points; Peak Hold ; Voltage Output

Linear Displacement Measurement