

Water Proof AC Displacement Transducers *Series xxxAW*



The AW series of displacement transducers are designed for applications where coil assembly is required to work with frequent oil or water splashes. Its annular space can also be filled with oil to provide damping to core rod movement. They can also be used in submerged applications up to a depth of meters.

SPECIFICATIONS

| | | | | |
|---------------------------------|---|---------|---------|----------|
| Full Stroke Range (\pm mm) | ± 1 | ± 2 | ± 5 | ± 10 |
| Model | 001 AW | 002 AW | 005 AW | 010 AW |
| Body Length | 28 | 44 | 50 | 92 |
| Core rod Dia | -----6 to 35 mm----- | | | |
| Body Diameter | -----16 mm----- | | | |
| Max. Stroke (\pm mm) | ± 3 | ± 5 | ± 8 | ± 15 |
| Winding Configuration | -----LVDT----- | | | |
| Excitation | -----2 V rms, 1 to 50 khz----- | | | |
| Sensitivity (mV/V/mm) | 80 | 40 | 20 | 10 |
| Non-Linearity (% FSR \pm) | 0.3 | 0.3 | 0.3 | 0.4 |
| Temperature Range | -----0 to 70 ° C----- | | | |
| Temperature Coefficient (% FSR) | Zero < 0.01 ° C; Sensitivity < 0.02 % ° C | | | |
| Termination | 4 Wire, Flying Leads | | | |
| Water Tightness | up to 2 Meter of Water Column | | | |

ACCESSORIES

LVDT Body Clamps

These Body clamps are made of reinforced fibre-Bakelite and provide excellent solution for LVDT installation. Except for 005AS and 010AS models all LVDT's require two body clamps each. Note:-All models up to ± 75 mm fsr are available with spring loaded core rods also.



Tips for fitment to core rod for

- Hardened Ball Tip
- Ball Bearing Tip

RELATED ELECTRONICS

- AC301**(c-1) Signal Conditioner Card
- AC302**(c-1) Signal Conditioner Card with 4...20mA Output
- AI302** (c-1) Mains operated signal conditioner box with 4-20 mA output.
- AI340** (c-1) High Resolution 4½ Digit Indicator.
- AI350** (i-1) 3½ Digit Display Indicator
- AI372** (i-4) Micro Controller Based LVDT Indicator with Rs232 output.
- AI731** (i-9) Microprocessor Based 16 x 2 character LCD display. Three Channel with RS232 Interface, computer Linkup and two set point
- LD612** (i-5) Load Displacement indicator for material testing

*When supplied with any of our electronics these LVDTs can be used for twice their specified range .Eg 005AG can be use for 0-10 mm range.



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Due to continuous product development specifications are subject to change without notice.