Linear Position Sensors Perform in Hostile Environments

Macro Sensors offers its AC-operated LVDTs in different material housings to perform in varying operating environments including those with high and low temperature extremes, radiation exposure, seawater and vacuum pressure conditions.

Standard configurations of Macro Sensors' AC-operated linear position sensors are constructed of stainless steel with hermetically sealed electronics that enable reliable performance in environments with high temperatures (400°F) or mild radiation exposure. Users can also choose among other optional material housings including:

- Inconel 718 that provides greater pressure and chemical resistance so sensors can perform reliably under very hostile chemical conditions, even in seawater and corrosive acids.

- Monel 400, a special nickel-based alloy that provides excellent resistance against pitting and attack by micro organism, enabling sensors to perform in shallow and warm waters with high levels of oxygen.

- Titanium and hastelloy housings that offer greater resistance to pressure and corrosion when measurements must be obtained in seawater depths down to 7500 ft. and with an external pressure of approximately 3800psi.

For complete specifications and schematic drawings on Macro Sensors AC-operated linear position sensors, go to the web site at: http://www.macrosensors.com/separate_core_lvdts.html [1]. For information on

pricing, please contact the factory at postionsensors@macrosensors.com [2].

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