



Macro Sensors Introduces Submersible LVDT Position Sensors For Use in Subsea Measurement Systems

Macro Sensors introduces a line of submersible LVDT Position Sensors for use as part of subsea measurement systems.

PENNSAUKEN, NJ, June 26, 2013 /EINPresswire.com/ -- Macro Sensors introduces a line of submersible LVDT Position Sensors for use as part of subsea measurement systems. Macro Sensors LVDTs are proven to offer reliable measurement and feedback for continuous monitoring. The SSIR 937 Series Submersible LVDT Position Sensor is now a standard design available from stock for fast turnaround.

Offering extraordinary repeatability in extreme pressure environments, the SSIR 937 Series Submersible LVDT Position Sensors can withstand deep sea environments with external pressures to 5000 psi. Inconel construction enhances the already high reliability of the LVDT assembly, ensuring the submersible transmitters can meet life requirements of at least 20 years, even if the device is fully exposed to seawater at depths greater than 10,000 feet.

Designed for use in either pressure-balanced, oil-filled containers or directly in seawater, these rugged, 0.94 inch (24 mm) diameter LVDT Position Sensors are available in standard ranges of 2.00 inches (50 mm), 3.00 inches (75 mm) or 4.00 inches (100 mm). Other ranges available upon special request.

SSIR 937 Series Submersible LVDT Position Sensors also resolve the problem of getting a signal back to the surface, even at great water depths. To minimize the number of pressure-sealed connections and I/Os, a 4-20mA two-wire, loop-powered I/O is utilized. A 4-20mA I/O also minimizes noise over long transmission lines. Offsets can be easily made in the data acquisition system on the platform above. A high pressure Seacon-Brantner subsea connector is standard. A welded connector is also available.

For detailed specifications and other information on the SSIR 937 Series Submersible LVDTs, go to http://www.macrosensors.com/SSIR_937.html or contact Macro Sensors at positionsensors@macrosensors.com.

About Macro Sensors

Macro Sensors' extensive line of linear and rotary sensors are used for position measurement and feedback in a variety of industrial applications including factory automation, motion control systems, metal fabricating, automotive assembly as well as power plants, gas/steam turbines. Incorporated in 1994, the Company offers more than 200 years of cumulative design and manufacturing experience by its key staff in serving its OEM and end-user international customer base. On June 1, 2005, Macro Sensors was

acquired by AST, manufacturer of state-of-the-art (Micro Electro Mechanical Structures) MEMS-based pressure sensors, transducers, and transmitters. Common applications of AST sensor products are in industrial OEM, hydraulic systems, fuel cells, medical gases, HVAC/R, refrigeration, oil & gas exploration/production, and off-road vehicles.

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