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***SS-7 Series LVIT Inductive Linear Sensors  
for High Pressure, Subsea Hydraulic Cylinders Position Feedback***

**MOORESTOWN, NJ --- February 25, 2015** Alliance Sensors Group is pleased to announce the introduction of the **SS-7** series LVIT (Linear Variable Inductive Transducer) designed for subsea environments and the demands of Oil and Gas Exploration. Ruggedness, ease installation and the ability simply set the end points in the field lowers the cost of ownership is dramatically reduced without sacrificing accuracy specifications. The **SS-7** is designed to be embedded into a hydraulic cylinder and utilizes the gun-drilled piston rod as a target, sensing it's position with-out the need for a magnet. The **SS-7** series can be submerged to a depth of 12,000 ft or installed in a PBOF (pressure balanced oil filled) chamber to provide position feedback on Blow Out preventers, ROVs and relief valves.

**Features:**

- **Uses Piston Rod as target**
- 316 Stainless Steel 25mm diameter housing
- Measurement ranges from 1 to 24 inches (25 to 600 mm)
- Operates to 5200 psi or 12,000 feet (3000 m) depth
- Contactless; no wear-out
- DC voltage or current analog output
- SenSet™ Field Adjustable Scaling

**SS-7** sensors use a simple coil design rather than "time-of-flight" technology or resistive film. They are based on contactless LVIT inductive sensing technology that employs a solid probe construction style which requires only a simple conductive tubular target or a small diameter gun drilled hole in the cylinder rod for operation rather than needing a permanent magnet ring or some other type of special target.

The **SS-7** series, and its sister products ME-7, MR-7, and MHP-7, can withstand intense shock and vibration, and operating temperatures up to 105 C with the extended range option. The 1-inch (25.4 mm) diameter sensor head is compact making efficient use of space, mounting with a common male o-ring SAE-8 port threads, and has an excellent stroke-to-length ratio.

The **SS-7** and all ASG LVITs are offered with ASG's proprietary SenSet™ calibration feature permits the user to match the analog output of the sensor to the motion of the actuator or cylinder on a stand-alone basis rather than the user having to scale the sensor's basic output in an associated control system.

**About Alliance Sensors Group**

Headquartered in Moorestown, New Jersey, 08057 USA, Alliance Sensor Group, a division of H. G. Schaevitz LLC, ([www.alliancesensors.com](http://www.alliancesensors.com)) is a position sensor manufacturing company offering engineering and application support in solving position measurement challenges within the power generation, fluid power, and manufacturing industries. Combining more than 150 years of sensors know how, our technical and application support staff has very extensive experience in providing the right sensor for challenging rotary and linear position measurement applications.