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**LZ-19 Series LVIT Inductive Linear Position Sensors
UL Approved for hazardous Environments**

Pennsauken, New Jersey, February 4, 2025... H. G. Schaevitz LLC, Alliance Sensors has expanded its sensor product offering using LVIT Technology™ by adding the LZ-19 Series linear position sensor approved for Class 1 Div 2 Groups C and D hazardous locations. These are contactless devices designed for use in oil and gas, process control, and environments with chemicals, as well as for external mounting on hydraulic cylinders to sense rod position. These LVITs are offered in nominal full scale ranges from 0.100 to 30 inches (2.5 to 750 mm) with an excellent stroke-to-length ratio so that the sensor's overall length is only about 1.5 inches (38 mm) longer than the linear range of the unit. The sensor has a ¾ inch (19 mm) outside diameter aluminum or optional stainless steel body with a 1 m long radial exit cable for I/O connections. The 0.236 inch (6 mm) diameter through-bore of an LZ-19 provides clearance for its 0.200 inch (5.2 mm) diameter moving rod, which is made of the same material as its housing. This through-bore feature also means that the sensor is not subject to damage from typical mechanical overstroking.

Features:

- LVIT Technology™ (Linear Variable Inductance Transducer)
- UL approved for Class 1 Div 2 Groups C and D locations
- Contactless operation prevents internal wearout from dithering or rapid cycling
- Excellent stroke-to-length ratio
- Full scale ranges from 0.100 to 30 inches (2.5 to 750 mm)
- Through-bore design eliminates mechanical overstroking
- DC in / DC out operation with built-in electronics
- Proprietary SenSet™ field adjustable range scaling

About H. G. Schaevitz LLC Alliance Sensors Group

Headquartered in Pennsauken, NJ USA, Alliance Sensors Group a division of H.G. Schaevitz LLC (www.alliancesensors.com) is a position sensor manufacturing company offering engineering and application support toward solving position measurement challenges within the power generation, fluid power, and manufacturing industries. Combining more than 150 years of sensors know-how, ASG's technical and applications support staff have extensive experience in providing the right sensor for difficult rotary and linear position measurement applications.