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LZ-19 Series LVIT Inductive Linear Position Sensors

Through-bore Sensors for Applications Needing Superior Stroke-to-Body-Length Ratio

Moorestown, New Jersey, March 6, 2019... [H. G. Schaevitz LLC, Alliance Sensors Group](#) has expanded its sensor product offering using **LVIT Technology™** by adding the **LZ-19 Series** linear position sensors. These are contactless devices designed for use in factory automation or assembly equipment applications where space is a premium, as well as for external mounting on pneumatic cylinders to sense rod position. These LVITs are offered in nominal full scale ranges from 2.5 to 750 mm (0.1 to 30 inches) with favorable stroke-to-body-length ratios such that the overall length for most sensors is 25 mm (1 inch) or less greater than the linear range of the unit. These sensors have a 19 mm (0.75 inch) diameter stainless steel or optional aluminum body with a 1-m long cable for I/O connections. The 6 mm (0.236 inch) diameter through-bore of an LZ-19 gives adequate clearance for its 5.2 mm (0.20 inch) diameter PVDF-sheathed moving rod made of the same material as its housing. The through-bore feature also means that these sensors are not subject to damage from typical mechanical overstroking.

Features:

- LVIT Technology™ (Linear Variable Inductance Transducer)
- Contactless operation prevents internal wearout from dithering or rapid cycling
- Very Good stroke-to-body-length ratios
- Full Scale ranges from 2.5 to 750 mm (0.1 to 30 inches)
- Through-bore design eliminates mechanical overstroking damage
- 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 Moorestown, NJ USA, H.G. Schaevitz LLC Alliance Sensors Group (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.