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Media Contact: John Matlack / 856-727-0250 / jrm@alliancesensors.com
Engineering Contact: Ed Herceg / 856-727-0250 / eeh@alliancesensors.com

LZ-33 Series LVIT Inductive Linear Position Sensors

Through-bore Sensors for Applications Needing a Rugged Sensor with SUPERIOR Stroke-to-Body-Length

Moorestown, New Jersey, October 10, 2017... [H. G. Schaevitz LLC, Alliance Sensors Group](#) has expanded its sensor product offering using **LVIT Technology™** by adding the **LZ-33 Series** linear position sensors. These are contactless devices designed for use in factory automation or assembly machinery applications where space is a premium, as well as for external mounting on hydraulic cylinders to sense rod position. These LVITs are offered in nominal full scale ranges from 50 to 900 mm (2 to 36 inches) with an excellent stroke-to-length ratio so that the sensor's overall length is only about 38 mm (1.5 inches) longer than the linear range of the unit. The sensor has a 33.4 mm (1.315 inch) outside diameter aluminum or optional stainless steel body with a 1-m long radial exit cable for I/O connections. The 17 mm (0.670 inch) diameter through-bore of an LZ-33 provides clearance for its 16.38 mm (0.645 inch) 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)
- Contactless operation prevents internal wearout from dithering or rapid cycling
- Excellent stroke-to-body-length ratio
- Full Scale ranges from 50 to 900 mm (2 to 36 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.