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LZ-9.5 Series LVIT Miniature Inductive Linear Position Sensor with Built-In Electronics

Moorestown, New Jersey, December 12, 2022... [H. G. Schaevitz LLC, Alliance Sensors Group](#) has expanded its sensor product line utilizing **LVIT Technology™** by adding the **LZ-9.5 Series** of miniature linear position sensors. Designed and manufactured in Moorestown, NJ, USA, the LZ-9.5 series LVITs are contactless devices for use by OEMs and in factory automation or assembly machinery applications, anywhere sensor space is at a premium.

These miniature LVITs are offered in nominal full scale ranges from 6.4 to 150 mm (0.25 to 6 inches) with DCV in / DCV out electronics built into the sensor, eliminating any need for separate signal conditioning. The sensor has a 9.5 mm (0.375 inch) outside diameter stainless steel body with a 1-m long axial cable for I/O connections. The 4.75 mm (0.187 inch) diameter through-bore of an LZ-13 provides clearance for its 2.4 mm (0.096 inch) diameter stainless steel target rod, which also means that these sensors will not be damaged by mechanical overstroking.

LZ-13 Features:

- LVIT Technology™ (Linear Variable Inductance Transducer)
- Contactless operation prevents wearout from dithering or rapid cycling
- Excellent stroke-to-body-length ratio
- Full Scale ranges from 6.4 to 150 mm (0.25 to 6 inches)
- Built-in electronics offer several DC voltage I/Os
- 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 position measurement applications.