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**LV-45 Series LVIT Linear Position Sensors by Alliance Sensors Group
for Heavy Duty Industrial and Extreme Environment Civil Engineering
Applications**

Moorestown, New Jersey, December 4, 2018...H. G. Schaevitz LLC, Alliance Sensors Group has released its **LV-45** series inductive, contactless linear position sensor using LVIT Technology. The **LV-45** linear position sensors are specifically designed for measuring applications requiring rugged devices, whether measuring position of steam turbine valves, mounted in a paper mill head box or calendar roll stand, or outdoors fastened to a building, bridge or structure. The **LV-45** series was designed after identifying the wants and needs of engineers in the industrial world, so **LV-45** Series linear position sensors can withstand the high vibration and severe shock environment found in steel, aluminum, and paper mills, as well as extremes of temperature and humidity found in most outdoor applications where many other types of linear position sensors cannot survive.

The **LV-45** series uses a proprietary inductive technology that allows it to replace traditional DC-LVDTs in most applications. Its simple coil design permits the sensor to be both shorter and more rugged than its DC-LVDT counterpart while operating over a wider temperature range. The **LV-45** series is available with optional mounting flanges, rod eye ends, connector or cable terminations, and a captive connecting rod assembly that cannot break loose. The SenSet™ range adjustability feature allows the user to scale the sensor's zero and full span output to the actual range of motion of the workpiece being measured after the sensor is installed.

Features:

- Operating temp range -40C to 85C
- Ranges from 100-450mm with various analog outputs
- Double shaft seals to keep dirt and grime out of the bore
- ½-20 UNF externally threaded core rod- the core is captivated so it can't come out
- Axial or radial connector or cable terminations
- SenSet™ range adjustability
- 1.75 inch (44.5 mm) outer diameter body with 5 mm wall thickness
- 1/2-20 UNF threaded or rod eye end connecting rod
- Optional mounting hardware

The LR-19 and LR-27 series are **LV-45** sister products for less extreme environments. For more information on Alliance Sensor Group, contact sales@alliancesensors.com or go to our web site at <http://www.alliancesensors.com/>.

About H. G. Schaevitz LLC Alliance Sensors Group

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Headquartered in Moorestown, New Jersey, H. G. Schaevitz LLC Alliance Sensor Group (<http://www.alliancesensors.com/>) is an LVDT and RVDT sensor manufacturing company offering engineering and application support in solving specific measurement challenges within the power generation, hydraulic, industrial and OEM industries. Combining more than 150 years of sensors experience, our technical and application support staff have extensive experience in providing the right sensor for challenging rotary and position measurement applications.