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New LV-48 Series Linear Position Sensors by Alliance Sensors Group Expands Sensing Capability for Heavy Duty Industrial and Civil Engineering Applications

Moorestown, New Jersey, August 26, 2013...[H. G. Schaevitz LLC, Alliance Sensors Group](#) has released its LV-48 linear position sensors designed and sealed to IP-68 for outdoor use in the harshest conditions. LV-48 sensors offers users the ability to monitor structures for creep or expansion, sense roller position in a steel mill or a calendar in a paper mill, or indicate process valve position by using a proprietary inductive technology that allows it to replace traditional DC-LVDTs, linear potentiometers, and magnetostrictive sensors in most applications. Its simple inductive coil design permits the sensor to be shorter and more rugged than other technologies while still operating over the temperature range of and in high vibration and shock environments. The built-in DC-in / DC-out electronics permits the user to avoid having to deal with external signal conditioning electronics.

Features:

- 5 ranges- 100, 150, 200, 250, and 300mm
- Operating temp range -40C to 85C
- 0-10VDC or 4-20mA output
- 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
- 48mm Outer diameter housing in aluminum or stainless-steel with 5mm wall thickness

The LV 48 Series was designed after discussing the wants and needs of engineers in the industrial world such as a beefier housing, and connectors or cable terminations that can accommodate heavier gauge wire. The LV-48 is powered from 24 VDC and is offered with either an analog current or voltage output that can be trimmed after the LV-48 is installed using Alliance Sensors' proprietary SenSet™ range adjustability feature, which allows the user to match the analog output to the actual range of motion being measured. For ease of installation, Alliance Sensors Group can offer LV-48s with optional mounting flanges, rod eye ends, and a variety of connector or cable terminations.

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

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.