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Alliance Sensors Group: “The Name in LVDT Signal Conditioning”

Moorestown, New Jersey, July 11, 2016... [Alliance Sensors Group](#) has developed into “The Name in LVDT Signal Conditioning” due to the constant improvements and advancements made to its line of LVDT signal conditioners. Alliance Sensors Group was founded by Harold and Howard Schaevitz, widely known as the first family of LVDTs. The Schaevitz family has chartered Alliance Sensors Group not only to develop specialized LVDT products, but also to work and partner with other LVDT manufacturers to develop the top grade LVDT signal conditioning products that could advance their application solutions as well.

The **S1A** and **SC-100** DIN-rail-mounted, push-button-calibrated LVDT signal conditioners were developed by listening to customers and LVDT manufacturers’ comments and wish list. This has allowed Alliance Sensors Group to design and build signal conditioners that work with all different types of LVDTs, LVRTs, GE “buck-boost” LVDTs for gas turbines, half-bridge pencil gaging probes, and RVDTs, rather than only satisfying markets where they are strong and not addressing the concerns of LVDT users with other applications.

The number one question from the marketplace was “Can you reduce the set up and calibration time?”

Solution: S1A and SC-100 LVDT Signal Conditioners offer smart and fast LVDT setup with built-in null indication and simple front panel pushbuttons to set zero and full scale. Calibration time is now reduced from at least 20 minutes per channel to just a minute or two.

Features:

The **S1A** and **SC-100** each offer the user:

- Power inputs from 15-30 V DC or ± 15 V DC.
- Choice of 4 LVDT excitation frequencies
- Choice of 6 voltage and 2 current loop analog DC outputs
- Unique auto-mastering for master/slave operation - even if a master were to fail, the S1A and SC-100 can eliminate beat frequency effects in remaining units
- RS-485 digital communications link with an available GUI and hot swapability
- Built-in diagnostics for LVDT winding failures or cable disconnection.

“When we looked at what the market was offering, we knew we could do better. We contacted many customers and friends in the LVDT manufacturing world to get their inputs. This allowed Alliance Sensors to offer the very best signal conditioners in the industrial market and gives us ongoing feedback about the performance of these conditioners and improvements we could make.” says Harold Schaevitz, President of Alliance Sensors Group.

Besides the **S1A** and **SC-100** signal conditioners, Alliance Sensor Group also offers a line of heavy duty LVDTs for power plants, industrial manufacturing, and process control applications. For more information on these and other ASG sensors, please see our website at alliancesensors.com, or contact the factory at sales@alliancesensors.com

About Alliance Sensors Group

Headquartered in Moorestown, New Jersey, Alliance Sensor Group, a division of H. G. Schaevitz LLC (www.alliancesensors.com) is a position sensor manufacturing company offering engineering and application support for solving measurement challenges within the power generation, fluid power, and general manufacturing industries. Combining more than 150 years of sensors know how, our technical and application support staff has extensive experience in providing the right sensor for challenging rotary and linear position measurement applications.