

New SG-Series Position Monitor from Electro-Sensors Measures Precise Repetitive Movement in Clam Shell Bucket Applications

Minnetonka, MN—October 25, 2010—Electro-Sensors, Inc. announces the SG1000E Position Monitor, designed for measuring linear and rotary movement in clam shell bucket applications. The E-model is the newest addition to the company's line of [SG-Series Position Monitors](#), which measure rotary movement up to 6 turns as well as repetitive linear movement. With a complete monitoring system housed in a compact and rugged explosion-proof NEMA 4X enclosure, SG-Series Position Monitors provide accurate positional feedback for precise process control—even in harsh industrial applications. SG-Series Position Monitors work with electrically, pneumatically, hydraulically or manually driven shafts.

SG-Series Position Monitors are designed for rotary applications that require a full-scale rotation up to 6 full turns and as small as 5.6 degrees (approximately 1/64th-turn). Monitors can measure rotational position with an end-to-end rotation of precisely 360 degrees (exactly 1 full turn) before reversing or repeating. SG-Series Position Monitors also measure linear position in applications that feature a pneumatic or hydraulic actuator to drive end-to-end linear movement or where the driveshaft is not accessible.

SG-Series Position Monitors feature a 4-20mA output to provide independent and accurate positional feedback to an external device, such as a PLC or remote display. The optional remote display (TR400 SGA) offers two relays for desired gate or valve position indication and a 4-20mA proportional output. Plus, the non-volatile memory retains gate position in the event of a power loss.

Applications: Electro-Sensors' SG-Series Position Monitors provide the precision and flexibility required by a broad range of industrial applications, including:

- Clam shell buckets
- Damper valves
- Rotary valves
- Slidegates
 - Rack & pinion
 - Hydraulically driven
 - Pneumatically driven
- Rotary distributors

Electro-Sensors, Inc. is a leading manufacturer of machine monitoring and motor control technologies worldwide. For more information go to: www.electro-sensors.com or contact: Electro-Sensors, Inc., 6111 Blue Circle Drive, Minnetonka, MN 55343; Toll-free: 1-800-328-6170; (952) 930-0100.