

Solartron Adds Long range Linear Displacement Measurement to Expanding Product Range

With the addition of GEMCO Series Linear Displacement transducers to the product range, Solartron Metrology can now offer a full catalogue of long measuring range, high accuracy measurement solutions.

The new transducers utilise field proven magnetostrictive technology to give absolute position, repeatable to .006% of the programmable sensing range. A magnet moves over the sensing element that determines the position and converts it to an analogue output.

Both analogue and digital versions are available either, 0 to 10 VDC or 4 to 20 mA outputs. On offer are two styles, a rugged in-cylinder and a brick style non-contact version.

The in-cylinder style S953 range devices are designed for heavy process and automation applications where mobile equipment or stationary process actuation demands absolute accuracy and reliability in linear position feedback, regardless of extreme operating conditions.

The S953 range can be supplied with up to a 7620 mm travel (300 inches) with resolution down to 1.524 microns (.00006"). To match its rugged build quality the range has been vibration tested and shock tested to 30G and environmentally rated to IP68.

The non-contact S955 BRIK unit is an accurate programmable, auto-tuning, non-contact, linear displacement transducer in a low profile package, being designed for applications where economic continuous feedback is required.

The S955 features a unique auto-tuning capability with the ability to sense a magnet other than the standard slide magnet and adjust its signal strength accordingly. Another feature is the analogue output which is programmable over the entire measuring range.

The sensor is offered as a cost effective replacement to limit switches, proximity sensors and the like, with typical applications in machine and robotic position sensing and feedback.

Both S953 and S955 style transducers are available in analogue and digital outputs and other output standards suitable for most machine control hardware.

Ease of installation is a key feature with the benefit of direct connection to standard display and readout modules.

For more information contact:



QSS Quality Systems Solutions GmbH

Aemetstrasse 5

CH-8344 Bäretswil

T 0041 44 242 0000

F 0041 44 242 0010

info@qss-solutions.ch

www.qss-solutions.ch