



WIRELESS TRANSDUCERS

A pre-pilot mixing plant is using wireless TorqSense transducers, supplied by Sensor Technology, for ultra-accurate viscosity measurement of high-value compounds.

TorqSense constantly assesses the level of torque in a driven shaft. Often, this is used to measure the power being provided by the drive motor. However, in this case it is the opposite – TorqSense is used to calculate the drag being exerted on the paddle and shaft by the liquid being mixed.

"The mixing process changes the viscosity of the liquid, which is what causes the drag," says Mark Ingham from Sensor Technology. "In the first instance the TorqSenses are looking for the viscosity to stabilise to a steady value that won't change any further no matter how much more mixing is done."

TorqSense is a wireless sensor, which is not physically connected to the mixer shaft by slip rings. Instead, it monitors the torque via radio waves.

Tel: 01295 730746

FAST, SAFE INSTALLATION

Wieland's saris M8/M12 connector range has been expanded to form a connector system for use with sensors and actuators, with or

without fieldbus and suitable for network technology.

The standard components of saris make it suitable for wiring small

functional units or installing entire systems and for decentralised field installation between a PLC and sensors or actuators.

Installation effort is significantly reduced by replacing cables laid in parallel with just one single main cable. The connectors are available in straight or angled design and with or without LED, whilst a variety of additional cables are also available.

In addition to the pre-assembled cables, either shielded or unshielded, valve connectors and a large number of distributors are included in the range. The high protection of IP65/67 permits use in dusty and humid industrial environments or those with the possibility of mechanical stresses, such as shock or vibration.

Tel: 01483 531213



PANEL MOUNT CONNECTORS

The extensive range of S and T coded M12 power connectors recently introduced by binder has been enhanced with the introduction of new panel mount versions with an M20 x 1.5mm fixing thread.

The new versions are pre-terminated with single 200mm long, 1.25mm² (AWG 16) wires. The nickel-plated brass bodies house gold-plated contacts and feature an M20 x 1.5mm fixing thread for direct mounting to a threaded hole in a panel or with a hex nut. Mounting dimensions are identical to those of the A, B and D coded

M12 connectors allowing easy replacement. The integral O-ring ensures protection to IP67 when mated.

M12-S coding is typically used for power applications on AC motors where large M23 metal connectors are usually used while M12-T coding

is used for DC power supplies in structured networks where large circular 7/8in, M23, RD24 or rectangular connectors are most commonly used.

Tel: 01442 257 339



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