

Velocity sensors

DYTRAN Instruments has released 20 new sensors for acceleration, velocity, displacement, bearing condition, pressure and force to add to their vast library of sensors and electronic systems.

Two sensors have been released for use in Ultra high temperatures up to 482°C.

The D3092C is a charge mode self generating ultra high temperature accelerometer with a sensitivity of 3.5 pC/g, hermetically sealed stainless steel construction with a 10-32 mounting hole and a 10-32 electrical connector providing an increased MTBF.

The D5334 is an IEPE voltage mode <20mA ultra high temperature accelerometer with a sensitivity of 10 mV/g with other sensitivities available, 3-bolt pattern mount, an integrated hard line cable assembly, a case isolated hermetically sealed, stainless steel construction and integrated differential amplifier.

The D5334 has a low profile and an integrated cable and tri-bolt mount enables ultra-high temperature operation.

• Kingdom

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sensors can be used in
ultra high temperatures
(up to 482°C).

Magnetic flow meters

ENDRESS+HAUSER have developed a new range of compact, wafer style magnetic flow meters that are designed to be both light weight and cost effective.

The Promag 10/50D, the range has been specifically designed to reliably record water flow in pipelines where flow meter weight and size are important design considerations.

According to the company, Promag 10/50D's housing design incorporates bolt centring guides, making them easy to install at the exact centre of a pipeline ensuring high accuracy and a perfect seal.

The flow meters also features rugged, cast aluminium, sensor housing features built-in stainless steel grounding discs as standard.

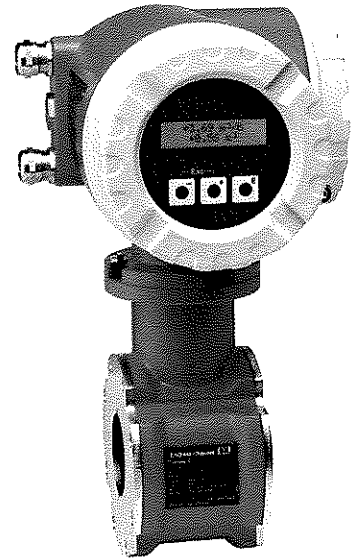
The meter's compact sensor is foam filled to provide a high degree of immunity to vibration and humidity and with an environmental protection rating of IP67, the devices are designed to be used in the most arduous conditions.

• Endress+Hauser

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Immune to humidity

Level switch

Components International has released a tank level switch that is rated Integrity Level (SIL) 2 for service. The SIL-2 rating for the Tank Level switch has been documented in a failure report with FMEDA techniques by laboratory TUV NORD CERT

The Level Switch has been certified as a Type A subsystem in accordance to IEC 61508-1 with a

hardware failure tolerance of 0. The Probability of Failure on Demand (PFD) meets SIL-2 capability standards. Depending on the model chosen, the switch measures tank level or interface up to ±2.5 mm accuracy with a repeatability of ±1.3 mm.

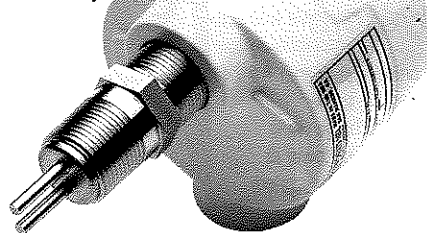
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The switch measures tank level or interface up to ±2.5 mm accuracy.



New valve coatings

FLOW control products provider Flowserve Corporation has announced the availability of new valve coating technologies designed to increase cycle life and improve performance. Now standard for the Flowserve McCANNA McCannaseal top-entry wedge-seated ball valve, the Tungsten carbide and thermal-spray coatings offer cost savings through reduced maintenance and increased resistance to abrasive, high-temperature and severe-service applications.

• Flowserve Corporation

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Signal processing

Bin Controls has announced the release of the SmartBob2 level sensor which is designed to offer signal processing.

The SmartBob2 Level Sensor provides measurement, a heavy-duty stainless steel cable from the supply pulley to the weighted sensor probe quickly reaches the surface of the material. The sensor uses a system of pulse measurement with a high-resolution micro optical sensing system to provide measurements both as the bob touches and as it automatically

the sensor probe touches the surface, pulses are transmitted and measurement is transmitted.

According to Bin Controls, the SmartBob2 Level Sensor combines technological advances and common sense to give users one of the strongest and most accurate inventory measurement solutions on the market.

• Bin Control

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Process advantage

PROCESS control, instrumentation and electrical engineering solutions company MIPAC has released the MIPAC Process Advantage, a service solution designed and developed to release the potential within operating processes.

According to MIPAC, Process Advantage offers a holistic approach to plant and process optimisation, by applying a four-phase technique: discover, develop, implement and support. The four-phase approach allows MIPAC to

optimise operations, resulting in higher throughput and yield, decreased waste and cost and deferred capital expenditure, the company said.

Process Advantage is designed to be applied at any level in the control hierarchy from basic regulatory control to plant wide economic optimisation strategies and, according to MIPAC, can be adapted to the life cycle of each individual plant, changing as the plant changes, resulting in continual process improvement.

"Process Advantage was developed with a clear intent of delivering our customers a solution that allows for continual improvement, without large capital expenditure," MIPAC managing director Eddie De Rivera said.

• MIPAC

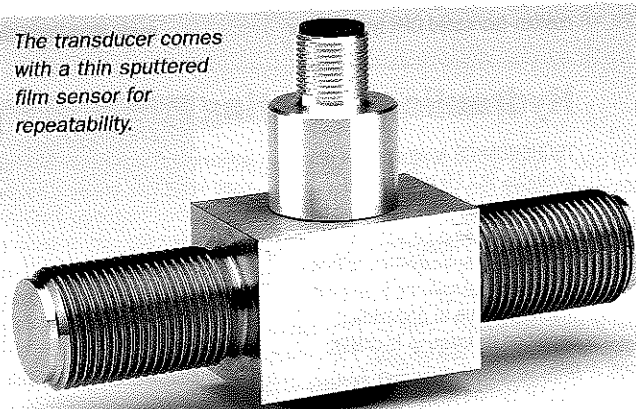
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The transducer comes with a thin sputtered film sensor for repeatability.



Load cell module

CONTROL Overload has released the KIMD-M Load Cell module, which is designed for harsh environments and heavy-duty applications.

The load cell module has a moveable load point to allow the weighing system to be thermally expanded. According to Control Overload, the KIMD-M is sealed to IP-67. The KIMD-M also features a

safe overload rating of 100% on top of its rated capacity. According to the Control Overload, the system can be used for ladle and tundish weighing applications in the steel industry.

For more information visit www.controloverload.com.au.

• Control Overload

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