

Dear Dirk Kuiper

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## New SIL 2 Compliant FS10i Flow Switch/Monitor For Flow Detection and Alarming from FCI



Designed for industrial processes, manufacturing operations, pumps, compressed air, gas compressors and HVAC systems requiring flow assurance and alarming, the compact SIL 2 compliant FS10i Flow Switch/Monitor from Fluid Components International (FCI) sets a new standard for superior performance and highly reliable operation. Wherever detection and user warning of a flow rate that is either too high, too low or a no-flow condition is required, the FS10i Flow Switch/Monitor is the solution. In air, gases, water or other liquids, its independently rated SIL 2 compliance ensures a highly reliable flow sensing instrument for repeatable and fast-responding flow trip point or alarm warning within seconds. The FS10i Flow Switch/Monitor features air/gas sensitivity and setpoint range from 0.076 to 122 MPS and for water or liquids from 0.003 to 0.15 MPS. It is suitable for use in fluid temperatures from --40° to 212°C and at pressures up to 138 bar.

[More info...](#)**SPECIAL OFFER**

## Limited Time Offer

5% Additional discounts offered on the complete range of Katronic Ultrasonic Flowmeters. Valid for order placement from April 1 till April 30. Available to customers within our sales territory.

**Check It Now!**

**Interface has been the trusted world leader in force measurement for half a century.**



**interface**  
The World Leader in Force Measurement

The 1000 series is a fatigue rated load cell with 300% overload protection, and extremely low moment sensitivity of 0.1%/in, low zero float (toggle) and a higher fatigue life than competitive stainless steel load cells. If you need to measure 1 lb or 1 million pounds of force, Interface Inc. load cells can do it. With many variants and configurations our fatigue-rated load cells provide up to 100 million duty cycles. The gage sensors in every load cell are individually inspected and tested, and certified to meet our rigid standards. Formed from a unique alloy, our gauges provide very low resistivity for high signal; -to-noise ratios in demanding applications.

Available in Models: 1010, 1020, 1032  
Additional Capacities & Standard Connectors Available  
Options Available for 2nd Bridge.

[More info...](#)

Whether you need General Purpose, Low Profile or Miniature loadcells for standard or special applications, you don't have to be an expert in force measurement, because we are. Talk to us about what sort of forces you need to measure, and under what conditions and constraints. We'll walk you through the load cell specification process, quickly and efficiently, and if we don't have what you need on the shelf, Interface will be happy to customise an existing product or build a new one from scratch to meet your exacting requirements.



## Introducing the PSE PAR-70 Averaging Pitot Flow Sensors

## Advantages of the PSE PAR-70 flow sensor design.

The PSE flow sensor provides accurate measurements through the use of separate and equal Upstream and Downstream sensing chambers. This composite tube construction gives our sensor superior strength making it virtually unaffected by the vibration and bending forces generated by flowing fluid velocity.

The PSE Par-70 flow sensors provide accurate flow measurement through the use of separate and equal upstream and downstream sensing chambers. As illustrated above, two D shaped tubes are mechanically bonded within a third, exterior tube to provide our pressure sensing chambers and to form the PSE PAR-70 product. This composite tube construction gives the FLOSBAR - PSE Sensor superior strength - making it virtually unaffected by the vibration and bending forces generated by flowing fluid velocity.

1. Optimum location of static pressure sensing ports for superior accuracy and minimal effect by changing Reynolds Number.
2. Superior strength for longer life.
3. Stainless steel (Type 316) for corrosion resistance.
4. 4 port impact and 8 port static pressure averaging for unparalleled accuracy.
5. Large internal passages prevent clogging.
6. Superior performance on steam flow applications.
7. Streamlined cylindrical single shaft for lower permanent pressure loss.
8. No structural weld below installation hardware.
9. No field sizing of mounting hardware.
10. Factory fabricated to size.

[Click here](#)



## A successful Beamex PKW

Welcome to the April AMS newsletter. During the third week of April a two day Beamex Product Knowledge Workshop (PKW) was run in Miles, Qld for some major customers in the area. Some 20 people attended the PKW and the feedback received from the attendees was that it was a very successful meeting with requests to run them again. On the first day the workshop concentrated on the Beamex hardware and on the second day on the Beamex CMX calibration software.

The two presenters, Antti Makynen of Beamex and Mike Farkas of AMS ensured that the attendees understood the various processes with a lot of interaction. The hands-on session were also well received by all giving them a far better understanding of the capabilities of the Beamex range.

It is the intention to run further PKW's in the future in various other areas where AMS has other users of the Beamex equipment.



## Trimec Flow Products Oval Gear Flowmeters

The Trimec Flow Products TF Series Oval Gear PD flowmeters offer a high level of accuracy turndown & repeatability. These precision meters are used for flow rate measurement in flow monitoring & control application and for totalizing in dispensing and batching. Micropulse gear meters are suitable for use with a wide range of clean liquids including viscous lubricants, chemicals, food bases & non-conductive low viscosity solvents either pumped or gravity fed. The Oval Gear Flow meter uses two fine-toothed meshed gears that are oval in shape and engage each other in a precision machined body. This fluid is transferred sequentially from the inlet to the outlet and one or two pulses are transmitted for each revolution of the gear. Embedded within the gear, a pair of chemically resistant magnets provide the external signals. Detection of the rotation uses either a reed switch or a Hall effect sensor on the outside of the fluid housing. A choice of materials allows the meters to be used in a variety of corrosive applications.

[More info...](#)

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