

Dear #name# #surname#

September 2016, Volume 15, Issue 8

FCI's Compact Thermal Flow Meter Line Expands With HART Bus Communication

FCI's industry leading compact thermal flow meter line has been expanded and improved with an all new, advanced electronics design that features the addition of HART, Version 7, digital bus communication and more. The new models **ST51A**, **ST75A** and **ST75AV** Thermal Mass Flow Meters from **Fluid Components International (FCI)** provide users with an economical yet rugged solution to measuring air or gases in demanding industrial process and plant applications. The **ST51A**, **ST75A** and **ST75AV** represent the next generation in thermal mass flow meter design from FCI. They combine all new surface-mount, lead-free RoHS compliant electronics with highly accurate, repeatable all-welded, equal-mass flow sensors



Model ST51A Air/Gas Flow Meter

The **ST51A** is an insertion-style flow meter for use in pipe diameters from 63 to 610 mm. It is specifically designed for flow measurement of methane-based gases such as biogas, digester gas, landfill gas, natural gas, and for air, compressed air or nitrogen. It is easily connected into the pipe via a 0.5 or 0.75 inch NPT compression fitting. These thermal flow meters measure from 0.3 SFPS to 400 SFPS [0.08 MPS to 122 MPS] with turndown ratio of 100:1 and with accuracy of ± 1 percent reading, ± 0.5 percent full scale.

[Read More](#)



Model ST75A and ST75AV Air/Gas Flow Meters

The **ST75A** and **ST75AV** flow meters are in-line (spool-piece) style designed for applications in smaller pipe diameters from 6 to 51 mm. They measure flow rate and totalized flow of air, compressed air, inert gases as well as natural gas, biogas and other hydrocarbon-based gases which makes them ideal for burner-boiler fuel and air lines, industrial furnaces and kilns, chiller air flow metering, and dosing and gas injection. Process connections options include male NPT, female NPT and ANSI or DN flanged. The Model **ST75AV** includes built-in Vortab® flow conditioning to ensure highest accuracy and repeatability in applications which lack enough straight-run. They feature a wide 100:1 turndown ratio and measure from 0.01 SCFM to 559 SCFM [0,01 NCMH to 950 NCMH] with accuracy of ± 1 percent reading, ± 0.5 percent full scale.

[Read More](#)



Limited Time Offer

10% Additional discounts offered on the ECOM by rbr range of Flue Gas Analysers and Gas Detection equipment. Valid for order placement from October 1 till October 30. Available to customers within our sales territory.

Check It Now!

580 Inductive Conductivity Sensors from ECD

The measurement of electrolytic conductivity is used to determine the amount of dissolved ionised material in a solution. It is most commonly made by measuring the electrical conductivity between two metallic electrodes placed into the solution. Inductive Conductivity is a non-contacting conductivity measurement made between two toroidal magnetic coils located inside a sensor that are

Inductively coupled through the solution's conductivity. Since the toroidal coils are located inside the sensor's PVDF (polyvinylidene fluoride) body, the inductive sensors are ideal for applications where corrosion or coating of the metallic electrodes will occur. Inductive sensors excel in the higher conductivity ranges and in applications where coating is a problem. The chemically resistant PVDF (KYNAR) body is excellent for corrosive environments. These sensors are ideal for measuring high conductivity solutions and % concentration measurements. The measurement range of the inductive sensor is from 50 µS to 1000 mS. The Model S80 Inductive Conductivity sensors have the same ¾" diameter body as the rest of the S80 sensors. A wide array of installation methods are available, insertion into a pipe with a compression fitting or a valve retractable design for entry and removal into a pipe without shutting off the flow. Immersion into tanks or channels with a stand pipe and various flow cells are also available. S80 sensors are a family of digital sensors designed for use with ECD digital analysers, the Model T80 and X80 transmitters.

[More info](#)



Universal Power Alert UPA-130



The UPA-130 Power Alert reduces the risk of electrical arc flash by **pre-verifying the electrical isolation from outside of a control panel.** Hardwired to the circuit breaker or main disconnect, the UPA flashes whenever voltage is present. Engineered with redundant circuitry, the Power Alert is powered by the same voltage that it indicates. The eight detector UPA-130 power alert visually alerts to the presence of dangerous AC or DC (Store Energy) potentials occurring between any combination of the four monitored input lines (L1, L2, L3, GND). Two LED indicators are assigned to each input line and are designated "+" and "-". For each input line carrying an AC potential (bi-polar), both the "+" and "-" LEDs will be active. A DC or Stored Energy potential will illuminate the "+" LED for the positive line and the "-" LED for the negative line.

[More info...](#)



AMS News

Welcome to the September AMS newsletter. August was a very good month for AMS with major orders received for Beamex and Azbil. September is also looming as a very good month with major orders received thus far for FCI, Michell and Azbil, with expectations for some other orders for Beamex. AMS also received their first order for ECOM by rbr and our quotation register is filling up with many more enquiries for their products. In the next few months we will also be introducing new products from various distributors, which will keep all our staff busy. One range will be the King-Gage range of liquid level tank gauging equipment. The company founded in 1937, supplies the food, dairy, beverage, personal care, cosmetics, and chemical sectors as well as specialised applications for the marine industry.



Probably the most flexible Flow Computer in the world: The UNI FLOW-200 used in the Oil & Gas, Chemical, Energy and Heavy Industries

- Measures and calculates up to 8 fluid flows simultaneously according to standards
- Calculates energy, CO2 emission
- Stored reports and data archiving
- For custody transfer and fiscal measurement
- Easy to use and outstanding reliability
- 3 Years Guarantee
- Free of charge "Hotline" for engineering support during commissioning
- Economically priced

[More info...](#)

AMS Instrumentation & Calibration Pty Ltd

U 20 / 51 Kalman Drive
Boronia, Victoria , 3155
Australia

<http://www.ams-ic.com.au/>

<mailto:sales@ams-ic.com.au>



Head office Quality Endorsed Company
ISO 9001:2008
LRQA / 400452/A

AMS is a member of the following organisations: IICA and Metrology Society of Australia.

You are receiving this email due to previous dealings with AMS-IC

If you no longer wish to receive these emails, simply click on the following link [Unsubscribe](#).

©2015 AMS Instrumentation & Calibration Pty Ltd. All rights reserved.