



Dear #name# #surname#

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Beamex has released the POC8 AUTOMATIC PRESSURE CONTROLLER

An accurate and user-friendly automatic pressure output controller

User friendly

With its 7" color LCD display with touch screen, the POC8 is fast and efficient to use. The user interface includes more than 10 different language options.

Panel mounted to a Beamex workstation

The POC8 can be used as panel mounted to a Beamex MCS200 modular test and calibration system.

Desk top version

The POC8 can also be used as a desk top pressure controller, which makes it a very mobile solution.

Part of Beamex ICS integrated calibration solution

Together with the Beamex MC6 or MC6 Workstation calibrators as well as the Beamex CMX calibration management software, the POC8 offers an integrated, automated calibration system for performing, documenting and managing calibrations easily and efficiently.

The Beamex POC8 is an accurate and user-friendly automatic pressure output controller, providing regulated output from vacuum to 210 bar (3045 psi). A POC8 can be equipped with 1-2 internal measurement modules and an optional barometric module. The POC8 can be delivered as a panel mounted to the Beamex MCS200 modular test and calibration system or as a portable desk top version.

The POC8 can be used as a stand-alone pressure controller or it can be integrated into the Beamex calibration system. Together with the MC6 and Beamex CMX calibration software, the POC8 offers a fully automated, integrated solution for performing, documenting and managing calibrations easily, efficiently and accurately.

[More info.](#)

McCrometer SPI-Mag Electromagnetic Flowmeter Ideal for Clean or Dirty Water Flow Measurement



Electromagnetic Insertion Meter for Municipal and Industrial Flow Applications. The SPI Mag Insertion Flow Meter provides a highly cost-effective solution for the accurate measurement of liquid flow in closed conduit, pressurised pipe applications. Unlike conventional magnetic meters, the SPI Mag's cost is independent of pipe size. Velocity and pipe diameter information are utilized by

the SPI Mag to determine flow over wide flow ranges with a high degree of accuracy.

- No pressure drop
- Dry and wet gas (no limit on volume liquid as soon as it is mixed, no stratification)
- Removable transducers
- Minimum gas velocity 0.1m/s
- Maximum gas velocity 175m/s
- Maximum pressure 64bar Pipe sizes from 3" to 24"

The SPI Mag reliably measures flow in water and wastewater as well as any type of industrial flow processes involving conductive fluids such as potable water, slurries, sludge, cooling water, and pulp stock.

- Proven electromagnetic technology based on Faraday's Law
- Debris shedding, selfcleaning sensor eliminates costly maintenance
- Cost is independent of line size
- Easy Hot Tap Installation - no interruption of flow process Nominal pipe size availability Reverse flow indication Ideal for Clean or Dirty Water Flow Measurement.

Accuracy: $\pm 2\%$ of reading ± 0.03 ft/s (± 0.009 m/s) zero stability from 0.3 to 32 ft/s Line size: 2 to 96 inches (50 mm to 2,400 mm) Range: (0.09 - 10 m/s) Model: 282L for pipe sizes 2 - 96 inches (50mm - 2,400mm)- Not affected by presence of liquids

- Reliable operation in short piping
- High tolerance to heavy deposits
- Volumetric and molecular & mass flow measurement

[More info.](#)









Limited Discount Time Offer On FCI Range of Flowswitches

10% Additional discounts offered on the range of FCI range of Flowswitches, such as FLT93, FS10, etc. Valid for order placement from November 1 till November 30. Available to customers within our sales territory.

Check It No

Moisture measurement in the production of Liquefied Natural Gas (LNG)



Moisture measurement in the production of Liquefied Natural Gas (LNG) Ensuring reliable process operation and protecting equipment from damage

Background

Liquefied Natural Gas (LNG) is an efficient way to store and transport natural gas, as it is highly condensed and has around 1/600 of the volume of the gaseous state. The process involves removing contaminants such as dust, gases other than methane, heavy hydrocarbons and water.

The gas is liquefied at near-atmospheric pressure by cooling it to -162°C so removal of moisture is crucial to avoid ice crystals from forming. Additionally, if cold LNG comes into contact with water there is a risk of a 'rapid phase transition explosion' – basically the liquid expands to its gaseous state very quickly, releasing a lot of energy.

In most cases of LNG production, dehydration columns of molecular sieve desiccant are used, as this is the most effective method to reach the very low moisture content levels of less than 0.1 ppmV moisture content required for

the feed gas entering the cryogenic liquefaction process.

The dehydration process most often comprises 3 or 4 columns that operate in sequence whereby a single column is being regenerated whilst others remain in operation. Effective monitoring of each dehydration column is required during operational periods. The common header outlet feeding into the liquefaction process is also monitored on-line, as a further assurance.

The moisture analysers installed to the individual dehydration columns cannot be exposed to the process gas conditions during the regeneration cycles which rise to a temperature approaching 300°C and high moisture concentration as the desiccant pellets release adsorbed moisture. For this reason the sample tapping points for each column should be immediately downstream of the process isolation valve at entry towards the common outlet header, which is closed for the duration of the regeneration cycle.

Moisture in LNG measurement options:

Michell Instruments offers a selection of process moisture analyzers and dew-point transmitters with calibrations traceable to NIST and NPL. Michell's sensing technology enables measurement of sub-ppmV moisture levels.



Promet EExd Process Moisture Analyser

A complete analyzer package, flame-proof certified for use in IEC Zone 1 and 2/NEC Class 1 Div. 1 and 2 hazardous areas. Measurement range is from -120°C to $+30^{\circ}\text{C}$ dew point (10ppbV to 23,000 ppmV).

[Read More](#)



Promet I.S. Intrinsically Safe Process Moisture Analyser

A heavy-duty industrial hygrometer system which offers multi-channel measurements, with up to four moisture meters in one package. Certified for use in hazardous areas by ATEX, IECEx, FM, CSA and GOST.

[Read More](#)



Easidew PRO XP Explosion-Proof Moisture Transmitter

The Easidew PRO XP is a robust and reliable moisture sensor for explosion-proof and flameproof applications. It allows installation without the need to fund, site and install an I.S. barrier system.

[Read More](#)



Trimec Flow Products Paddle Flowmeters

The Trimec Flow Products Dualpulse insertion paddle wheel flow transducer is a cost effective means of accurately measuring the flow of water, water-like liquids or a wide variety of low viscosity liquids in completely full, large diameter pipes. The sensor is inserted into the process piping via a suitable fitting. Liquid flow through the pipe results in rotation of the affixed paddle wheel. The rotational speed of the paddle is proportional to the flow velocity, and therefore, proportional to the flowrate in the pipe. Paddle Flowmeter The insertion type design provides a measuring technique that is much less expensive than full bore flowmeters, especially in larger pipe sizes. Insertion paddle wheel sensors are a robust measuring technology that boasts exceptional tolerance to dirt and solids.

[More info.](#)



AMS News

Welcome to the AMS October newsletter. First ever TechExpo held in Geraldton (WA) proved a success for AMS with several great enquiries. Although September was a quiet month for AMS, October proved to be in a similar position. 2017 still looks like a great year for AMS with great successes with various product lines. The project group is doing great work with several large projects across most of the AMS product lines. It also gives AMS the opportunity to introduce new products and new suppliers.

AMS successfully passed the audits for ISO9001:2015 and are now certified after some hard work from the ISO9001 committee.

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