

Dear #name# #surname#

April 2018, Volume 17, Issue 4

ecom-CL2 COMPACT ALL-ROUND FLUE GAS ANALYSER

ecom-CL2 Flue Gas Analyser

--O₂/CO Longlife sensors --Robust aluminium protective housing with stable carrying handle and shoulder carrying strap

Operation as wall-mounted device:

--Back magnets for mounting on all metal surfaces

Operation as floor standing instrument:

--Folding tilt stand --Condensate trap with electronic condensation monitoring and fine dust filter

--Complete with ø 8 mm sampling probe (220 mm length), with fixation cone; 3-chamber sampling tubing (2,2 m)

--T-Room sensor with cable, fixation cone and fixation magnet or alternatively T-Room stick (depending on the variant)

--Integral LiFePo₄ high performance battery with long lifecycle

--Charge of battery with closed protective housing by means of the supplied charging unit

--Automatic CO Sensor overload protection without measurement interruption

--Calibration certificate

Options --NO measurement (NO sensor) --Data transfer via BLE (Bluetooth Low Energy) Accessories --T-Room stick (PT2000) --T-Room sensor with cable --T-Room probe 260 mm (PT2000) -- Differential pressure tubing --Different temperature sensors for differential temperature measurement --Manual soot pump kit --Special probes

The MT100 Series multipoint thermal flow meters are your solution for large diameter pipe and air ducts applications.



Further details



Limited Discount Time Offer On All ecom GMBH products

AMS is offering its customers a 15% off on all ecom GMBH products.

Valid for order placement from June 1 till June 31. Available to customers within our sales territory. Please use code: **ecom-June** to claim the discount.

<https://www.ams-ic.com.au/services/>

Beamex Updates

Beamex have published several new updates for the Beamex MC6 calibrator family. Visit the Beamex Download Center to get more information about the updates.

The downloadable files are available on three **Beamex Website's MC6 Family Download Page**.

- Firmware updates v3.10 o For MC6, MC6-Ex & MC6 Workstation
- New DD packages have been added for HART and FF protocols for MC6 family products.



Beamex Website

Lauris Technologies Ultrasonic Gas Flow Meter FC1223

The FC1223 gas flow meter is specifically developed for flare gas and associated gas flow measurement where conventional ultrasonic gas flow meters are experiencing problems due to high turbulence or presence of liquids. The FC1223 is an efficient gas accounting system which brings together high performance, reliability, and low cost. The design is based on proprietary ultrasonic transit-phase measurement method with in-line positioning of transducers (no beam reflections). Besides volumetric flow, the "M" version, model FC1223-M, additionally offers molecular weight & mass flow measurement

- Not affected by presence of liquids
- Reliable operation in short piping
- High tolerance to heavy deposits
- Volumetric and molecular & mass flow measurement
- No pressure drop

More information



Difference Between Calibration and Validation

In every manufacturing facility, calibration and validation must be carried out to assure high quality of the product. You must carry out these processes on a regular basis, rather than being just a one-off activity, if you want to meet all the regulatory requirements. Below an explanation of the differences between calibration and validation.

CALIBRATION

Instruments must be calibrated periodically to identify if there is "drift" in the measurements and eliminate that through calibration.

Calibration should be performed as per standard operating procedures.

Calibration is a performance of any equipment against a reference standard.

Calibration is a process that ensures the accuracy is maintained in the measurements produced by the equipment.

Calibration assures accuracy of the measurements

VALIDATION

There is no such requirement for validation. Validation should be performed when any changes are made to an existing system or when the validation period has been reached.

Validation should be performed according to the validation protocol.

There are no standards used in validation.

Validation is a documented process that provides assurance of the quality of a product, service or system consistently within acceptable criteria..

Validation provides proof of consistency across all of the processes, products, services or methods being used.



Interface Torque Transducers

Interface produces nearly 50 types of reaction torque transducers and rotary torque transducers. All our torque transducers are precision-machined and use our proprietary torque sensors for the most accurate data possible. A torque sensor, is a transducer that converts a torsional mechanical input into an electrical output signal. A reaction torque sensor measures static torque, and rotary measures dynamic torque. Rotary torque transducers are used in applications where the torque transducer must rotate when attached to a spinning shaft. A rotary torque transducer provides a method of getting the signal off of the rotating element without an attached cable. We can help you find mounts from pedestals to shafts to flanges, and drives vary from hex to square to pulley, with more styles in between.

Model 5400 series (shown above) features a rugged flange-style design, low deflection, high torsional stiffness and the ability to withstand large overhung moments. Models 5410, 5411, 5412, 5413, and 5414 are available.

[More information](#)



King-Gage LP2 Single Tank level Indicator

The new LP2 Tank Level Indicator combines intelligent signal processing and data acquisition for seamless integration in process control. LP2 indicators will provide continuous measurement of liquid inventory in storage or processing tanks. Calculating level on the basis of hydrostatic pressure created by liquid depth, the system measures total product mass for more precise material accounting. LP2 indicator accepts the proportional 4-20 mA signal from a liquid level transmitter. The actual sensor used to detect hydrostatic pressure (created by liquid depth) can be either electronic or pneumatic. With the latter, an electronic pressure transmitter is used to convert the sensor's pneumatic signal into 4-20 mA output (using a KING-GAGE® D/P Module or D/P Transmitter). LP2 indicators express tank level directly in engineering units. The indicator references a capacity profile to correlate transmitter output to actual tank geometry. The indicator then formats the resulting value directly as the total weight or volume of liquid in the tank. There are no user conversion factors involved or scaling points to enter. All application details are factory programmed into an innovative nonvolatile modular memory called the Datapak iButton.

[More information](#)

AMS News



The flow lab for the testing of the McCrometer M1104 Hydrant flowmeters had a few design hick-ups as notified before, but these are now completely resolved and calibrations are taking place with the backlog now cleared. We expect to make fast deliveries back to the customers now all has been resolved.

With May nearly finished AMS has had a very successful year thus far with many of our product lines on target. Most of the states are also tracking very well and AMS is looking at expansion in several areas. The most successful suppliers this month have been Beamex with several large projects won in Victoria, New South Wales, Queensland and Western Australia and FCI with a major project won in New South Wales. This is due to the excellent work from our sales people showing the knowledge of our product ranges and relationships with our customers.

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>



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

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