

Brooks Instrument Adds FOUNDATION™ Fieldbus Transmitter to Its MT3809 Series Variable Area Flow Meters

HATFIELD, Pa. (April 16, 2018) – Brooks Instrument, a world leader in precision fluid measurement and control technology, has added a new FOUNDATION™ Fieldbus transmitter to its popular MT3809 variable area (VA) flow meter, making it easier for users to integrate the unit into their automation control systems for more efficient data capture and digital communication across the plant enterprise. The MT3809G with FOUNDATION™ Fieldbus recently underwent extensive testing and is now fully approved by Emerson. Users can be confident that the Brooks MT3809G with FOUNDATION™ Fieldbus will connect to Delta V and AMS seamlessly. Visit <https://www.emerson.com/en-us/support/software-downloads-drivers> and search for “Brooks 3809G” for the install kits to connect the 3809G to Delta V or AMS.

Rich Data Available With FOUNDATION™ Fieldbus Interface

The FOUNDATION Fieldbus transmitter is a compact microprocessor device that interfaces directly with the MT3809 flow meter. A single 2-wire bus connection compliant with the international FOUNDATION Fieldbus standard provides power to the transmitter and communications access. The flow meter itself does not require power.

The new transmitter makes it easier to access multiple MT3809 VA flow meter variables, including:

- Flow rates
- Totalization, both resettable and inventory measurement
- Temperatures
- Densities
- Calibration factors
- Hi-low alarm parameters, which enable facilities and systems operators to be notified if gas or fluid flow rates fall outside set values



In addition, the MT3809 VA flow meter has a local operator interface with LCD display for insight into flow status and fluid measurement. These outputs are configurable and can be shown in various engineering units. Operators can also change parameters without removing the housing cover, enabling changes to be made in hazardous areas.

The FOUNDATION Fieldbus transmitter on the Brooks Instrument MT3809 VA flow meter is equipped with the most up-to-date version of the FOUNDATION Fieldbus protocol, ITK 6.0. The transmitter and alarm options have worldwide safety approvals as well as SIL 2 safety certification.

With the MT3809 VA flow meter, users can specify a single flow meter model that works across an extremely wide range of high and low flow rates and operating temperatures — from -198°C to 420°C (-325°F to 788°F) — with a maximum pressure rating up to 6,000 psi (413 bar) for standard units. In addition, the explosion-proof housing meets the most stringent hazardous-area classifications worldwide while a flameproof option is available for IIC/Class 1, Division 1 locations.

For more information about the Brooks Instrument MT3809 VA flow meter with FOUNDATION Fieldbus capabilities, visit www.brooksinstrument.com/en/products/variable-area-flow-meters/metal-tube/mt3809-series

About Brooks Instrument:

With manufacturing, sales, and service locations in the Americas, Europe, and Asia, Brooks Instrument has the world's largest installed base of mass flow controllers. Its broad family of products includes legacy brands such as UNIT Instruments, Tylan, Key Instruments, and Celerity.

For more information, please visit www.BrooksInstrument.com. The company is also on LinkedIn (www.linkedin.com/company/Brooks-Instrument) and YouTube (www.youtube.com/user/Brooks407).