

Ruurlo, 26 February 2010

PRESS RELEASE

Direct Mass Flow Meters / Controllers for industrial applications

The new **IN-FLOW^{CTA}** Mass Flow Meters by Bronkhorst High-Tech, The Netherlands, are modular instruments of rugged design according IP65 (dust- and waterproof). They can be combined with integrated or close-coupled control valves to form compact digital Mass Flow Controllers, whereby flow ranges are measured and controlled within the range of 10-200 ml_n/min up to 50-5000 l_n/min. The ATEX approval for use of these instruments in Category 3, Zone 2 hazardous areas is pending.

Mass Flow Meters of the **IN-FLOW^{CTA}** series work on the basis of direct through-flow measurement (no by-pass), following the constant temperature anemometer principle. The instruments contain no moving parts and have no obstructions to the flow path, which makes them ideal for low pressure drop applications and virtually insensitive to moisture or particulates.

The instruments have analog I/O-signals and also an RS232 connection as a standard feature. In addition to this there is the possibility of integrating an interface board with DeviceNet™, Profibus-DP®, Modbus or FLOW-BUS protocol. The basic pc-board features integrated PID Control and various alarm and diagnostic functions. With these multiple functions and its rangeability up to 1:100, the new **IN-FLOW^{CTA}** series truly offers an excellent price-performance ratio.

Applications can be found in process control systems as for example in food, chemical and petrochemical plants.

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IN-FLOW^{CTA} digital Mass Flow Meter

Enclosure: 1 picture

SENSORS FOR MASS FLOW AND PRESSURE