

**09.05.2016 | PRESS RELEASE**

## Simple and cost-effective methane gas analysis in addition to biogas flow metering at IFAT 2016 - Hall A5 Booth 139

The gas mass flow meter COMBIMASS® eco, of the COMBIMASS® series of gas meters, has been successfully used for years to measure wet gases with fluctuating compositions. It uses proven thermal dispersion technology to measure dry gases at standard conditions. In wet gases, the moisture content needs to be compensated to measure the mass flow at standard conditions (DIN 1343). Special instruments with integrated moisture correction are becoming a standard in many plants.

Additionally, there is an increasing need for a simple method of measuring the methane concentration of the gas. The new, inexpensive gas analysis system COMBIMASS® GA-s hybrid eco uses high-level, stable IR technology to measure the methane content of the gas and send it to the plant SCADA. If the concentration fluctuates significantly due to plant operating factors, the flow signal can be read by the gas analysis system and automatically compensated.

The modular construction and service friendly design of the components allows the plant operator to easily replace all service parts and consumables. This eliminates expensive service calls by technicians. The gas modules can be rebuilt and re-used – this also reduces costs.

The gas analyzer can also have installed additional gas modules, such as H<sub>2</sub>S (various measurement ranges are available) or O<sub>2</sub>, so that the gas quality going to a CHP unit can be monitored.

Further options are available.



### CONTACT

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