



Bühler Technologies GmbH / Harkortstraße 29 / 40880 Ratingen / Germany

Press release

Modbus RTU: Digital innovation creates progress for sample gas coolers

Effective immediately, Bühler Technologies is equipping all sample gas coolers in its TC series worldwide with the option of a new digital interface: "Modbus RTU". The innovation brings a new level of safety and efficiency to the operation of industrial plants and translates the possibilities of digital communication technology into progress.

As a result of several years of development, Bühler Technologies GmbH from Ratingen is coming up with an innovation in the field of sample gas conditioning. The internationally active company now makes the more advanced Modbus RTU communication protocol available as an option for all sample gas coolers with semiconductor cooling elements. This digital interface communicates advanced information related to the sample gas cooler to a higher-level entity, such as the control system.

What makes sample gas coolers with Modbus RTU interface so valuable?

In their effect, sample gas coolers equipped with Modbus RTU allow plant operators in a wide range of industries to detect potential hazards earlier. For example, when sample gas is extracted from the process, process-related impurities such as particles or moisture are inevitably also removed. These can influence the measurement results or damage the measuring cells.

In addition, Modbus RTU generates an optimized database, which enables continuous control of the gas properties, moreover efficient maintenance of the measuring devices and preventive measures. Especially by remote access to the measuring gas cooler, Modbus RTU enables optimal control and monitoring of the current condition. At the same time, the robust interface ensures stable and reliable communication between field devices and the control system. This promotes safe and continuous process and plant operation.

For more information on the new sample gas coolers with Modbus RTU, visit the company's website at [buehlertechnologies.com](https://www.buehler-technologies.com) or click this link for direct access:

<https://www.buehler-technologies.com/en/company/news/digitale-kommunikation-in-der-messgasaufbereitung/>

Buehler Technologies GmbH

For more than 50 years, Bühler Technologies GmbH has been developing, manufacturing, and distributing components and system solutions in the "Analytical Technology" and "Fluid Control" business units. The world's leading company is headquartered in Ratingen, North Rhine-Westphalia, and employs more than 140 people.

Press release photos

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caption: Modbus RTU