

## Ultrasonic Flow Module with Diagnostic Added Value

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### Ultrasonic Flow Module with Diagnostic Added Value



SonoQ's new innovative and easy-to-integrate SQ-FM3 series of flow modules are the first to provide access to the special diagnostic capabilities of ultrasound technology. In addition to precise flow measurement, the module also provides information about the characteristic media properties, such as the temperature of the medium or changes in its properties (e.g. due to impurities or air

bubbles). These important process parameters can be used to optimize maintenance or service intervals. In addition, SonoQ technology also enables the detection of very small flow rates, e.g. for leakage detection. The SQ-FM3 series is available in DN10 design and is built without moving parts. It is long-term stable and self-monitoring and also reacts to fast or pulsating flow changes. Due to the compact design, the standardized outputs 4 to 20mA and frequency 0 to 10kHz, the module can be easily and cost-effectively integrated into existing applications. Via the RS485 interface, not only the flow rate but also the process parameters can be monitored for quality assurance, maintenance and process monitoring. Applications for these sensors include heating, air conditioning and ventilation technology, e.g. cooling water circuits or cooling tower technology.

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