

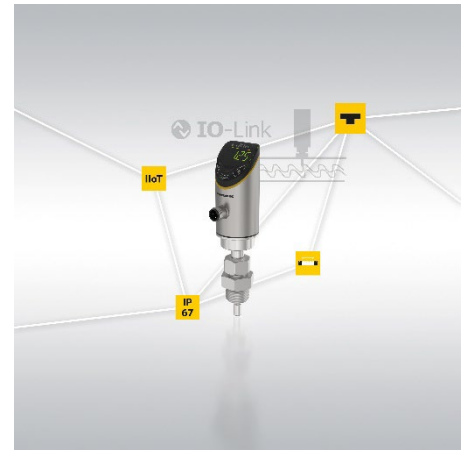
Robust flow sensor with IO-Link

TURCK's FS501 is flexibly configurable and measures both flow and temperature

Mülheim, March 12, 2026 – TURCK is adding the FS501 flow sensor to its FS+ fluid sensor series. The robust IP67 device measures flow velocity and volume flow in liquid media and also outputs temperature values. Users can freely configure switching and analog outputs and benefit from easy integration into IO-Link environments thanks to Smart Sensor Profile. The FS501 is suitable for pipe diameters from 15 to 250 mm, covering a wide range of applications in factory automation.

The IO-Link interface according to Smart Sensor Profile enables access to process data and functions such as Single Value Teach for storing the current flow velocity as a switching point, Dynamic Teach, and Totalizer. In Dynamic Teach mode, the sensor automatically adjusts switching points to changing conditions. The Totalizer function can be used to determine consumption data for machines—directly in the sensor.

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The FS501 flow sensor adds a measuring variant to TURCK's FS+ fluid sensor series

FURTHER INFORMATION

<https://www.turck.com/de/en/spotlight/product-news/robust-flow-sensor-with-io-link>

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