



# SITRANS FMT020 - build on the past to craft the future

SITRANS FMT020 is the new state-of-the-art transmitter in our electromagnetic flowmeter range, that includes backward compatibility with existing sensors.

The novel SITRANS FMT020 flow transmitter is a completely new generation of the MAG transmitter series. The instrument builds on our 4-wire platform and is easy to install, configure and use. The design of the SITRANS FMT020 combines 25 years of experience with hundreds of thousands of applications and satisfied customers.

Get ready for new experiences with our SITRANS FMT020. It offers our proven SENSORPROM and unique fingerprint, combined with our embedded self-test, providing valuable information on meter performance at any time. With the new Bluetooth-operated Verificator tool, we go beyond basic internal self-tests, to a full external verification with traceable report.

True flexibility means the SITRANS FMT020 offers trend-setting connectivity and digitalization features. It also provides a large set of flexible plug-and-play modules including Profinet and Ethernet.

The SITRANS FMT020 enhances the benefits of its predecessor. It has a meticulously designed, award-winning, compact and robust enclosure using the best materials. The highly reliable electronics features future-proof connectivity and digitalization.

The SITRANS FMT020 is a cost-effective solution, with higher customer value for your applications in the water industry, but also in all other industry segments. With the powerful combination of this new transmitter and our existing sensor range, our product solutions are perfectly suited to the most varied applications.



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# Highlights:

## Rugged and robust

The SITRANS FMT020 has a very robust one-piece top enclosure with the highest UV resistance. No more submerged and buried application challenges. Standard or potted high end IP68 enclosures are available.

## Reliable in harsh environments

The SITRANS FMT020 is ready for new challenging environments with an enhanced operating temperature range, from -40 to 65°C.

## User-friendly

The SITRANS FMT020 is equipped with a large, rotatable, backlit 14-digit graphical display for best visibility in any mounting position. Capacitive touch keys, 13 languages and menu-driven wizard for the easiest commissioning.

## Easy data access

An independent Service port and SD card slot for easy data backlog is built in. You can access your data with our PDM tool as well for service purposes.

## High-performing and accurate

For added value to our flow measurement, we have improved the accuracy at the low end to  $\pm 0.9\text{mm/s}$ , with a turn-down ratio of 1000:1. Combining flow speed value and conductivity with remarkable repeatability, the SITRANS FMT020 is one of the best performers on the market.



## Versatile mounting

Compact or wall bracket mounting can be determined directly on site without any hardware change.

## Seamless integration

Your SITRANS FMT020 has room for flexible growth. Plug & play communication modules can be added: HART 7, Profinet, Ethernet IP or MODBUS RS485 are available as options with more to come (Profibus DP, Profibus PA or Bluetooth).

## Comprehensive self-test and verification

A full self-test functionality is available as standard. System operation data can be reported and recorded using the advanced version. Verification is possible as a service option by choosing the licensing of the verification process.

## Sustainable and future-proof

The SITRANS FMT020 is also part of our corporate sustainability strategy. We understand customer challenges, resource-efficient manufacturing, fair-trade supplier practices, transparent and stable supply chains. We reduce waste, water usage and CO2 footprint. These are just a few of the many initiatives worth mentioning.

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