



Flow rate / temperature measuring instrument FlowTemp® STx

Part no. 502002

Flow rate / temperature measuring instrument

benefits

- Function tests of circulation lines
- Inspection of thermostatic mixing valves
- Acceptance tests of newly installed drinking water installations



Description

Sensor module for continuous, simultaneous determination of flow rate (l/min) and temperature (°C) in water applications. The flow rate is measured with a high-precision capacitance flow sensor, the temperature with a thermocouple with a low response time. Both sensors are integrated in a robust housing made of high-quality plastic with degree of protection IP 67. Thanks to the compact design, measurements at low water fittings are very convenient. The device is tested as per TÜV report S1217-00/15. The measured data is transmitted to the BlueLine measuring instruments or to a mobile device via the integrated Bluetooth® interface.

Technical Specifications

Dimensions

W x H x D: 71 x 158 x 97 mm

Weight

370 g

Interface

Bluetooth®

Measuring range

Flow rate: 1.5/17.5 l/min
temperature: 5/80 °C

Accuracy

Flow rate: ± 0.3 l/min (< 6 l/min)
Flow rate: (> 6 l/min) ± 5 % v. Mw.
temperature: ± 1 K (< 35 °C)
temperature: (> 35 °C) ± 3 % v. Mw.

Resolution

Flow rate: 0.1 l/min
temperature: 0.1 °C

Sensor

capitance sensor
Pt1000

response time t_{90}

Flow rate: 10 s
temperature: 5 s

Supply voltage
2 x 1.5 V AAA batteries

Versions

	Part no.
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- ☒ in-stock items
- ☐ Non-stock items