

CAPBs®

Flow rate and temperature measurement FlowTemp® STx

Application

- The ideal companion for risk assessments
- Verification and documentation of thermal disinfection and the temperature profile
- Documentation of water exchange as a part of the intended operation of drinking water installations
- Function checks of decentralised drinking water heaters
- Checking the output capacity of heat exchangers
- Function tests of circulation lines
- Inspection of fittings (minimum volume flow)
- Determination of the water temperature at water taps
- Inspection of thermostatic mixing valves
- Acceptance tests of newly installed drinking water installations

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

Accuracy
Temperature: ±1 °C
Flow rate: ±0.3 l/min

Resolution
Flow rate: 0.1 l/min
Temperature: 0.1 °C

T_{90}
Temperature: 5 s
Flow rate: 10 s

Supply voltage
2 x 1.5 V alkaline battery

Further information:

DG: B, PG: 4	Part no.	Price €
Flow rate/temperature measuring instrument FlowTemp® STx	502002	
ISO calibration volume flow and temperature	524210.15	