



Flow rate / temperature measuring instrument FlowTemp® STx

Part no. 502002

Flow rate / temperature measuring instrument

benefits

- Verification and documentation of thermal disinfection and the temperature profile in conjunction with the EuroSoft® live app
- Documentation of water exchange as a part of the intended operation of drinking water installations in conjunction with the EuroSoft® live app
- Inspection of thermostatic mixing valves
- Acceptance tests of newly installed drinking water installations
- Function tests of circulation lines



Application

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

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) $\pm 5\%$ v. Mw.
temperature: ± 1 K ($< 35\text{ }^{\circ}\text{C}$)
temperature: ($> 35\text{ }^{\circ}\text{C}$) $\pm 3\%$ v. Mw.

Resolution

Flow rate: 0.1 l/min
temperature: 0.1 $^{\circ}\text{C}$

Sensor

capacitance 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.
Flow rate / temperature measuring instrument	☒	502002
FlowTemp® STx		
☒ in-stock items ☐ Non-stock items		