



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

**Resolution**

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

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- in-stock items
- Non-stock items