Flow rate / temperature measuring instrument FlowTemp® STx

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

Versions

	Part no.
Flow rate / temperature measuring instrument FlowTemp® STx	502002

Blue part no. = in-stock items

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

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