

# Monitoring Stations



monitoring station



monitoring station

# micro::station

The fully modular micro::station combines s::can instruments to a compact and versatile system. It presents a complete solution, as the user only has to connect water supply and -discharge ("plug & measure") in order to receive at no extra cost a previously unheard variety of immediately available information and parameters.

The s::can micro::station is designed for online monitoring of water quality parameters in clean media, such as drinking water. The required components – spectro::lyser, s::can probes and controller – are factory assembled with all required flow cells, mounting fittings and pipework on a compact panel. micro::station – the s::can solution for water analysis – compact and easy like never before.

## 1 Terminal

con::cube terminal with moni::tool software for data acquisition, data display and station control

## 2 Spectrometer probe

All s::can spectrometer probes are multi-parameter instruments that can measure a variety of water quality parameters

## 3 Flow cell for spectrometer probe

Including auto brush cleaning device to provide cleaning of the optical measuring windows

## 4 System tubing

Included in panel assembly; Material PA, inside diameter 6 mm, outside diameter 8 mm

## 5 Flow detector

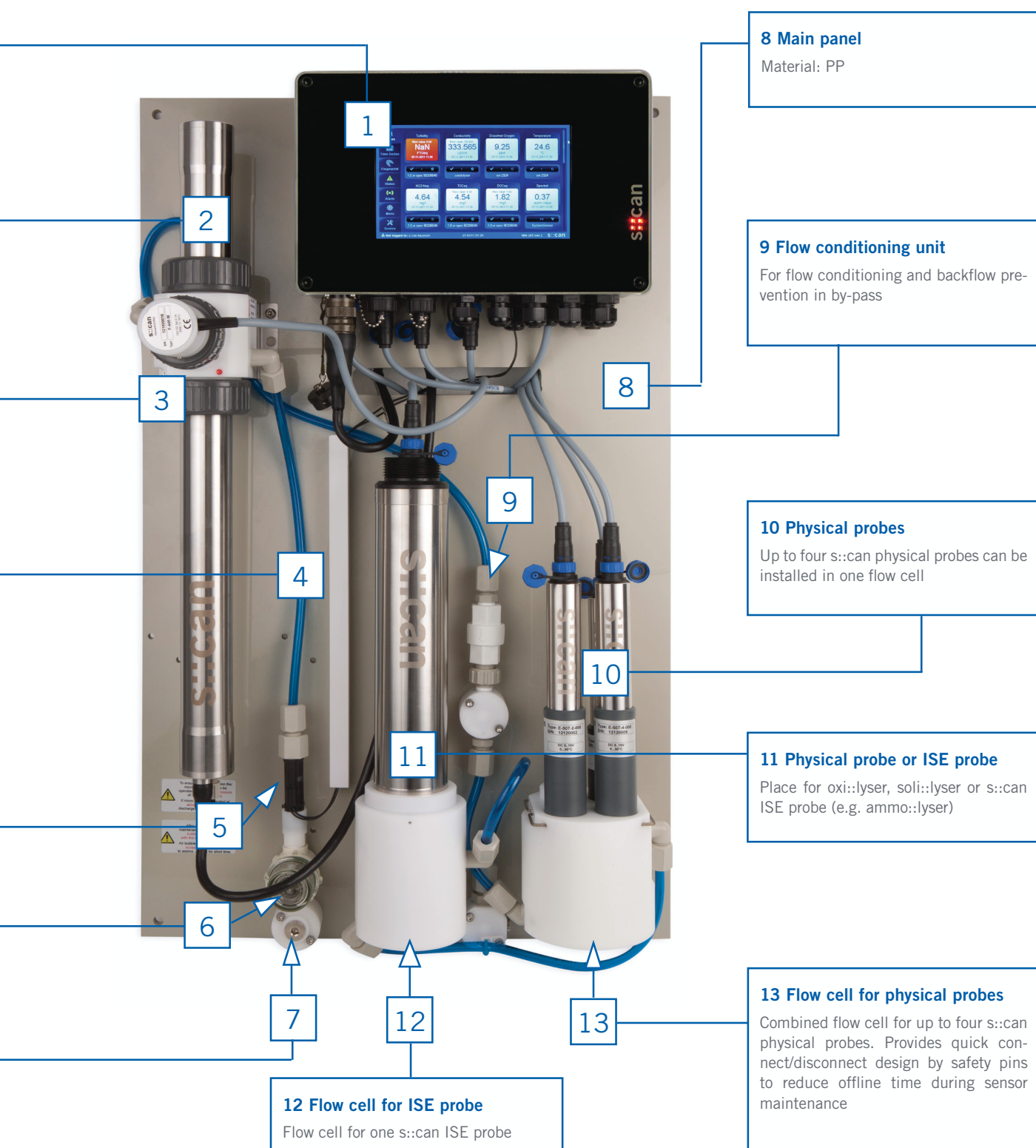
The flow detector is set to give an alarm if the flow rate decreases below a critical value

## 6 Inlet strainer

The inlet strainer ascertains no coarse material enters the micro::station. ¼" NPT, with screw cap for sieve removal/cleaning

## 7 Pressure transmitter (optional)

Mounting position for pressure transmitter: 4-20 mA connection to con::cube



# micro::station

## Options for s::can micro::station

1 Terminal	con::cube con::lyte 1 eco con::lyte 2 con::lyte 4
2 Spectrometer probe	spectro::lyser carbo::lyser color::lyser multilyser nitro::lyser ozo::lyser uv::lyser
3 Flow cell for spectrometer probe	flow-cell (by-pass fitting), Pom-C (for pathlengths from 1 mm to 35 mm) flow-cell (by-pass fitting), Pom-C (for pathlength 100 mm) flow-cell (by-pass fitting) autobrush, Pom-C (for pathlength 35 mm) flow-cell (by-pass fitting) autobrush, Pom-C (for pathlength 100 mm)
4 System tubing	inside diameter 6 mm, outside diameter 8 mm
5 Flow detector	flow detector
6 Inlet strainer	inlet strainer
7 Pressure transmitter	pressure transmitter for micro::station (optional)
8 Main panel	system panel micro::station US system panel micro::station EU system panel micro::station add-on module EU system panel micro::station add-on module US
9 Flow conditioning unit	automatic flow restrictor unit flow adjustment valve

10 Physical probes and i::scan	pH::lyser redo::lyser condu::lyser chlori::lyser
11 Physical probe or ISE probe	ammo::lyser eco ammo::lyser pro fluor::lyser chlorid::lyser oxi::lyser soli::lyser
12 Flow cell for ISE probe or physical probe	ammo::lyser flow-cell (by-pass setup), Pom-C oxi::lyser flow-cell (by-pass setup), PVC oxi::lyser flow-cell (by-pass setup), PVC
13 Flow cell for physical probes and i::scan	flow-cell for up to 4 s::can physical probes, Pom-C s::can physical probe flow-cell (by-pass setup), Pom-C

# nano::station

The fully modular nano::station combines s::can instruments to a super-compact and versatile system. It presents a complete solution, as the user only has to connect water supply and -discharge ("plug & measure") in order to receive at no extra cost a previously unheard variety of immediately available information and parameters.

The s::can nano::station will revolutionize online water quality monitoring: From very cost sensitive applications down to highly resolved "Smart Water Grids", in small unmanned plants, or even in single building protection. The required components – i::scan, s::can probes and s::can controller – are factory assembled with required flow cells, mounting fittings and pipework on a super-compact panel. The nano::station – compact, precise and affordable!



nano::station with con::lyte

## 1 Terminal

With con::cube or con::lyte terminal. con::cube is equipped with moni::tool software for data acquisition, data display and station control

## 2 i::scan

One i::scan can be installed on every nano::station

## 3 System tubing

Included in panel assembly; Material PA, inside diameter 6 mm, outside diameter 8 mm, black or blue/transparent

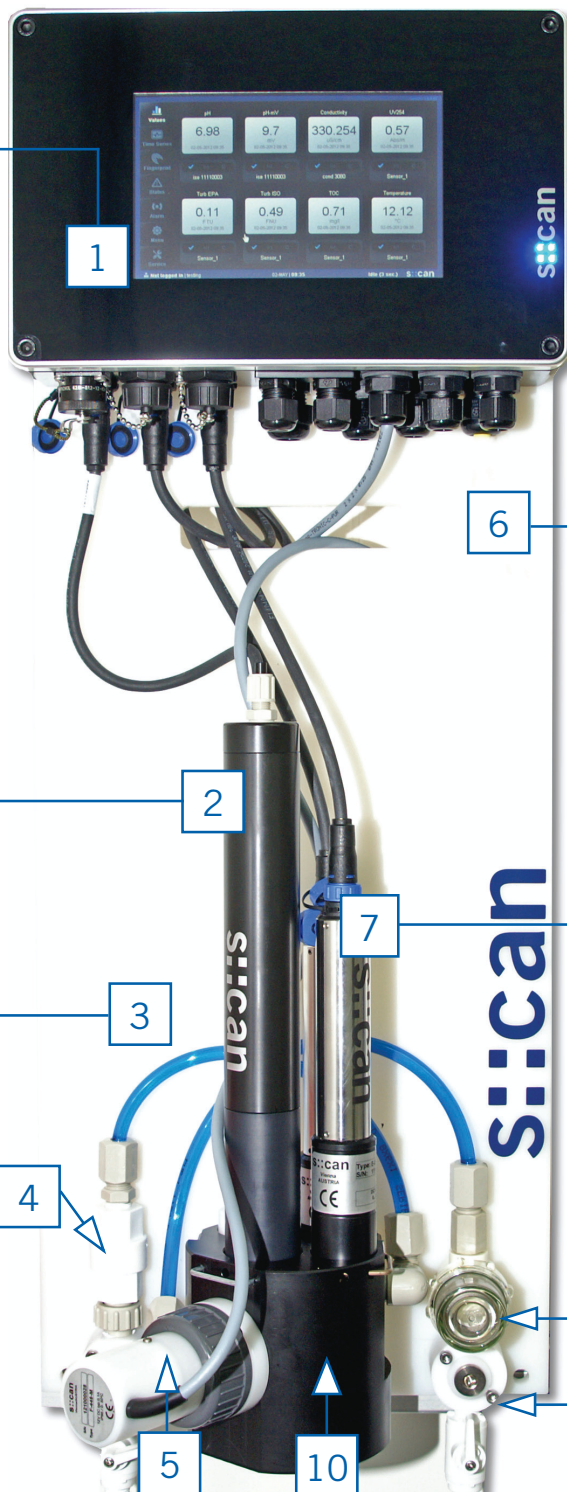
## 4 Flow conditioning unit

For flow conditioning and backflow prevention in by-pass

## 5 Autobrush for i::scan

Provides automatic cleaning for i::scan





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## 6 Main panel

Material: PP

## 7 Physical probes

Up to three s::can physical probes can be installed additionally to i::scan in one flow cell (e.g. condu::lyser, pH::lyser or chlori::lyser)

## 8 Inlet strainer

The inlet strainer ascertains no coarse material enters the micro::station.  
1/4" NPT, with screw cap for sieve removal/cleaning

## 9 Pressure transmitter (optional)

Mounting position for pressure transmitter: 4-20 mA connection to con::cube

## 10 Flow cell for i::scan and physical probes

Combined flow cell for one i::scan and up to three s::can physical probes. Provides quick connect/disconnect design by safety pins to reduce offline time during sensor maintenance

# nano::station

## Options for s::can nano::station

1 Terminal	con::cube con::lyte 1 eco con::lyte 2 con::lyte 4
2 i::scan	i::scan
3 System tubing	inside diameter 6 mm, outside diameter 8 mm, black or blue/transparent
4 Flow conditioning unit	automatic flow restrictor unit flow adjustment valve
5 Autobrush	autobrush for i::scan
6 Main panel	system panel micro::station US system panel micro::station EU system panel micro::station add-on module EU system panel micro::station add-on module US
7 Physical probes	pH::lyser redo::lyser condu::lyser chlori::lyser
8 Inlet strainer	inlet strainer
9 Pressure transmitter	pressure transmitter for micro::station (optional)
10 Flow cell for physical probes and i::scan	flow-cell for up to 4 s::can physical probes, Pom-C flow-cell for i::scan and up to 3 s::can physical probes, Pom-C s::can physical probe flow-cell (by-pass setup), Pom-C