

micro::station

- BTX
- TOC
- DOC
- UV254
- NO3
- NO2
- NH4
- K+
- TCI
- FCI
- F-
- TSS
- FTU/NTU
- Color
- pH
- ORP
- Conductivity
- Temperature
- O2
- O3
- H2S
- AOC
- Fingerprints
- Alarms

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 a previously unheard variety of immediately available information and parameters at no extra cost.

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
Possible parameters:
 AOC, BOD, BTX, COD, color, DOC, FTU/NTU, H₂S, NO₂-N, NO₃-N, O₃, TOC, TSS, UV254, fingerprints and spectral alarms, temperature and pressure

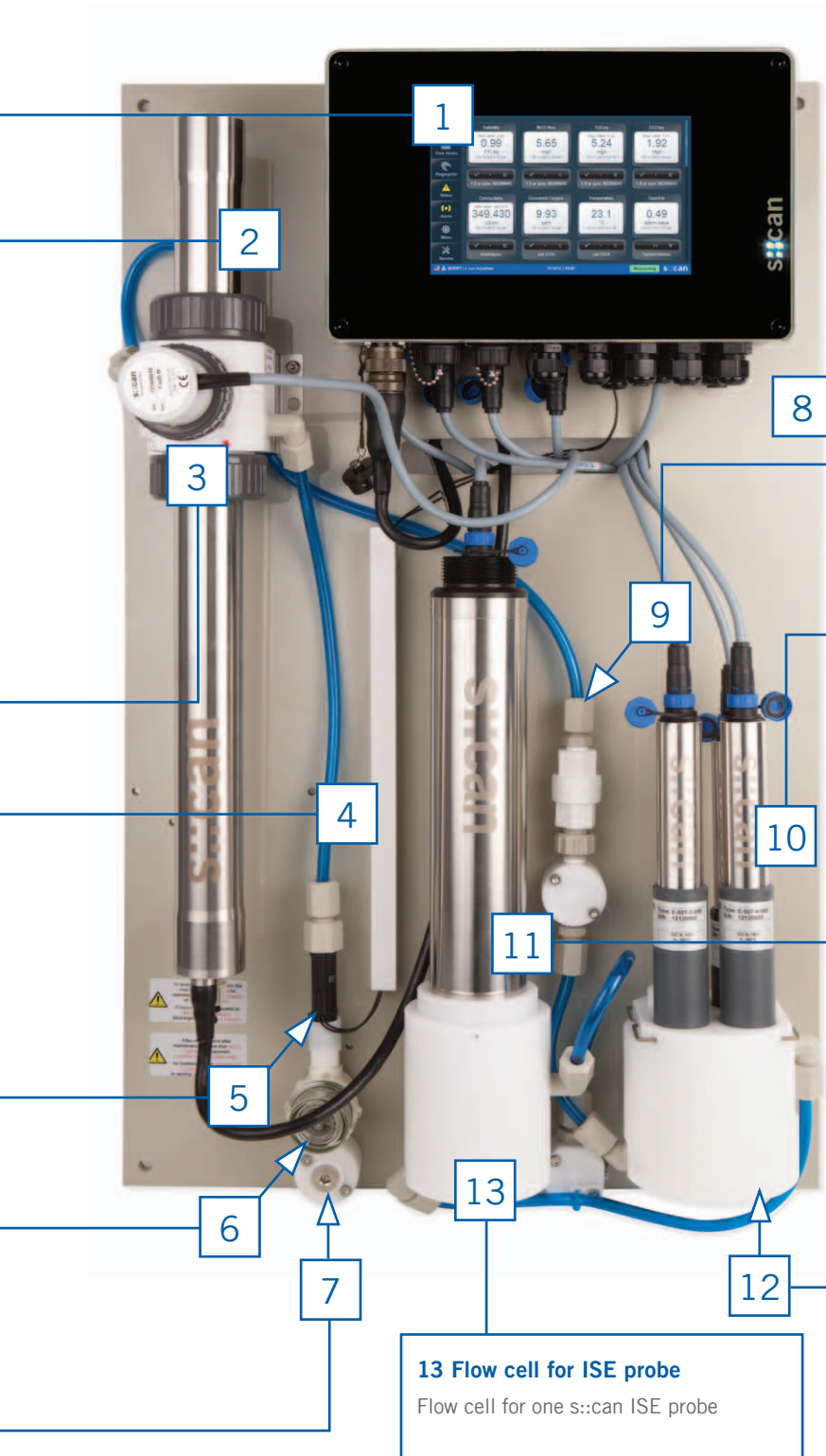
3 Flow cell for spectrometer probe
 Including auto brush cleaning device to provide cleaning of the optical measuring windows

4 System tubing
 Included in panel assembly; Material PU, 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 that no coarse material enters the micro::station. With screw cap for sieve removal/cleaning

7 Pressure transmitter (optional)
 Mounting position for pressure transmitter



8 Main panel
 Material: PP
 Weight of the station (fully equipped):
 20 kg (+/- 1 kg)

9 Flow restrictor unit
 For automatic flow restriction and back-flow prevention in by-pass

10 Physical probes
 Up to four s::can physical probes can be installed in one flow cell
Possible parameters:
 conductivity, FCI, pH, PSU, redox, TCI and temperature

11 Physical probe or ISE probe
 Place for oxi::lyser, soli::lyser or s::can ISE probe (e.g. ammo::lyser)
Possible parameters:
 F-, K+, NH₄-N, NO₃-N, O₂, pH and temperature

12 Flow cell for physical probes
 Combined flow cell for up to four s::can physical probes. Provides quick connect/disconnect design by safety pins to reduce offline time during sensor maintenance

13 Flow cell for ISE probe
 Flow cell for one s::can ISE probe

micro::station

Options for s::can micro::station

1 Terminal	con::cube con::lyte eco con::lyte pro
2 Spectrometer probe	spectro::lyser carbo::lyser color::lyser multi::lyser 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 restrictor unit	automatic flow restrictor unit flow adjustment valve
10 Physical probes	pH::lyser redo::lyser condu::lyser chlori::lyser
11 Physical probe or ISE probe	ammo::lyser eco ammo::lyser pro fluor::lyser oxi::lyser soli::lyser
12 Flow cell for physical probes	flow-cell for up to 4 s::can physical probes, POM-C s::can physical probe flow-cell (by-pass setup), POM-C
13 Flow cell for ISE probe or physical probe	ammo::lyser flow-cell (by-pass setup), POM-C oxi::lyser flow-cell

