micro::station

- BTX
- TOC
- DOC
- UV254
- NO3
- NO2
- NH4
- K+
- TCI/FCI
- ClO2
- H2O2
- PAA
- F-
- TSS
- FTU/NTU
- Color
- pH
- ORP
- Conductivity
- Temperature
- O2
- O3
- H2S
- 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:
BOD, BTX, COD, color, DOC, FTU/NTU, H_2S, NO_2-N, NO_3-N, O_3, 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 Flow detector

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

5 Pressure transmitter (optional)

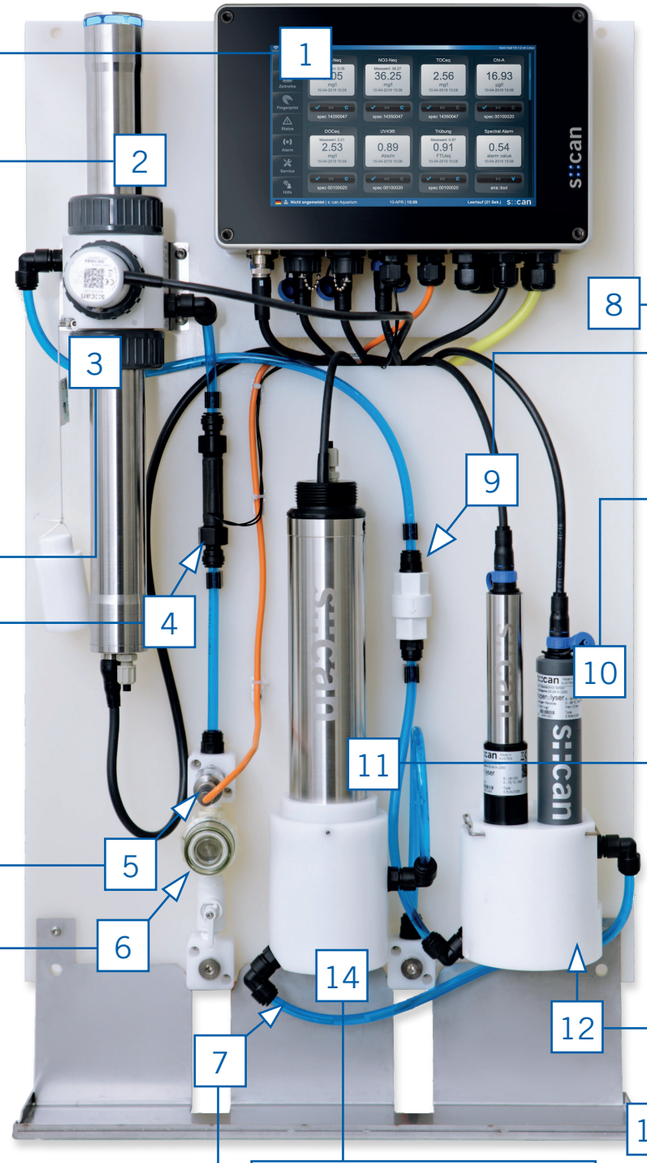
Mounting position for pressure transmitter

6 Inlet strainer

The inlet strainer ascertains that no coarse material enters the micro::station. With screw cap for sieve removal/cleaning

7 System tubing

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



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, FCl/TCL, ClO2, H2O2, PAA, pH, PSU, Redox 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+, NH_4-N, NO_3-N, O_2, 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 Service tray

For easier sensor handling during maintenance

14 Flow cell for ISE probe

Flow cell for one s::can ISE probe

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micro::station

Options for s::can micro::station

1 Terminal	con::cube V3 con::lyte
2 Spectrometer probe	spectro::lyser V3 carbo::lyser V3 multi::lyser V3 nitro::lyser V3 ozo::lyser V3 uv::lyser V3
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 Flow detector	flow detector
5 Pressure transmitter	pressure transmitter for micro::station (optional)
6 Inlet strainer	inlet strainer
7 System tubing	inside diameter 6 mm, outside diameter 8 mm
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 chlodi::lyser hyper::lyser peroxi::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 Service tray	service tray
14 Flow cell for ISE probe or physical probe	ammo::lyser flow-cell (by-pass setup), POM-C oxi::lyser flow-cell