

- BOD
- COD
- BTX
- TOC
- DOC
- UV254

s::can
Intelligent. Optical. Online.

Water Quality OnLine

- NO3
- NO2
- NH4
- K+
- Free Chlorine
- F-
- TSS
- Turbidity
- Color
- pH
- ORP
- EC
- Temperature
- O2
- O3
- H2S
- AOC



- Fingerprints
- Contaminant Alarm



Intelligent. Optical. Online.

s::can is the world technology leader for submersible online spectrometer probes, water protection systems and event detection software.

Our products measure a wide range of parameters in numerous applications. From our very solid-state pH-probe to our highly innovative spectral probes, all our products are developed with the same philosophy in mind: s::can measuring instruments are intelligent, robust and require little or no maintenance. They can be seamlessly integrated with other s::can systems but are also compatible with third-party systems.

More than 5000 s::can monitoring systems are in use worldwide for drinking-, environmental-, waste-, and industrial water applications.

spectro::lyser

The s::can spectro::lyser™ is a fully submersible UV/Vis spectrophotometer which measures light absorbance between 220 and 720 nm.

s::can's proprietary algorithms analyze and decompose the spectral data to provide measurements for many important parameters including: nitrate, nitrite, COD, BOD, TSS, dissolved H₂S and many more. No moving parts and no reagents are used, resulting in extremely low operating costs.



i::scan

The i::scan is a revolutionary miniature spectrometer combining innovative LED technology with state of the art optical measurement. The result is a sensor that is so cost efficient that it will revolutionize water quality monitoring. It can be mounted in-pipe under pressure, so it can be used in a wide range of applications including process optimization, highly resolved 'Smart Water Grids', coagulant control, waste water aeration control, small water treatment plants, etc.

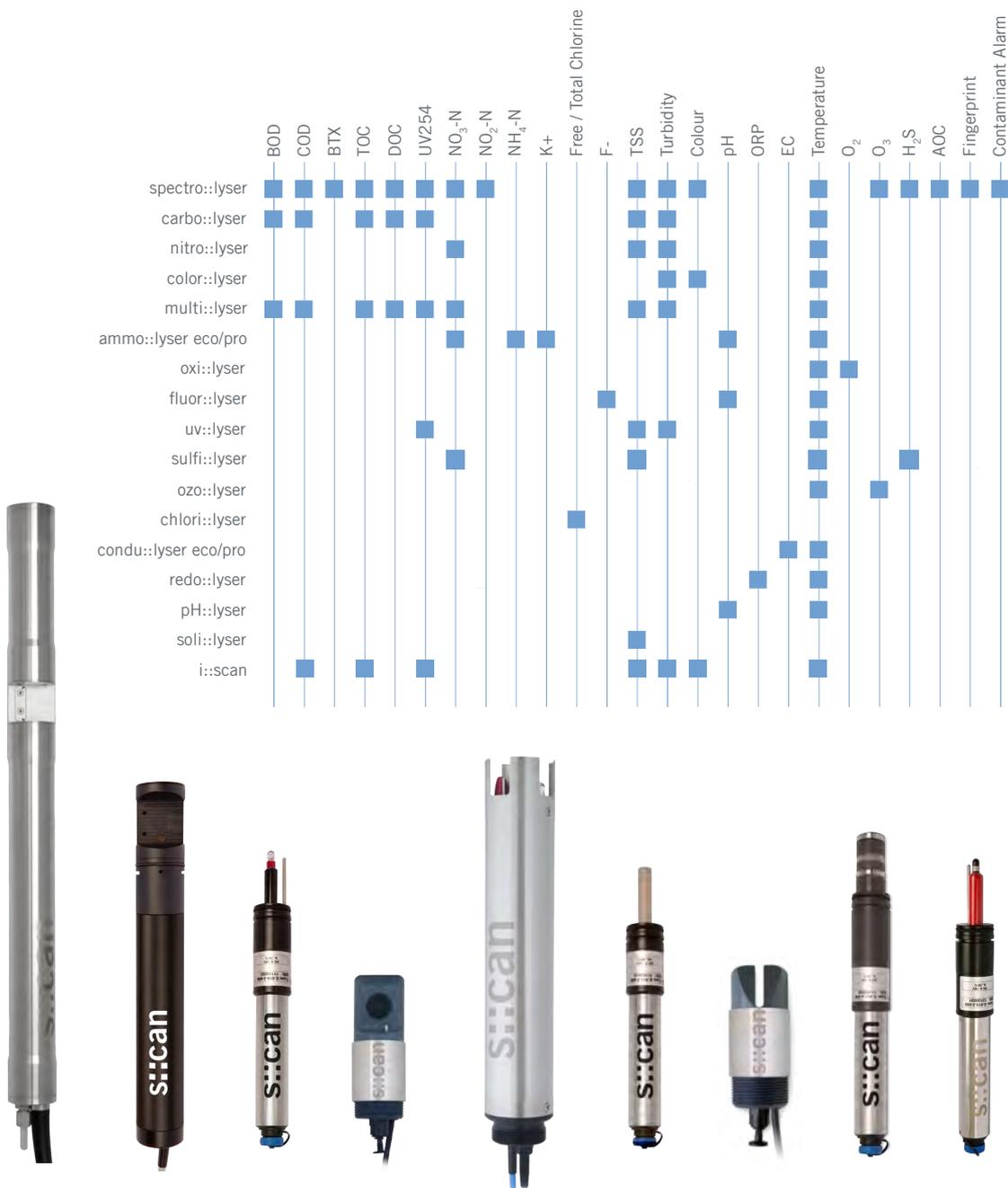






What do you want to measure?

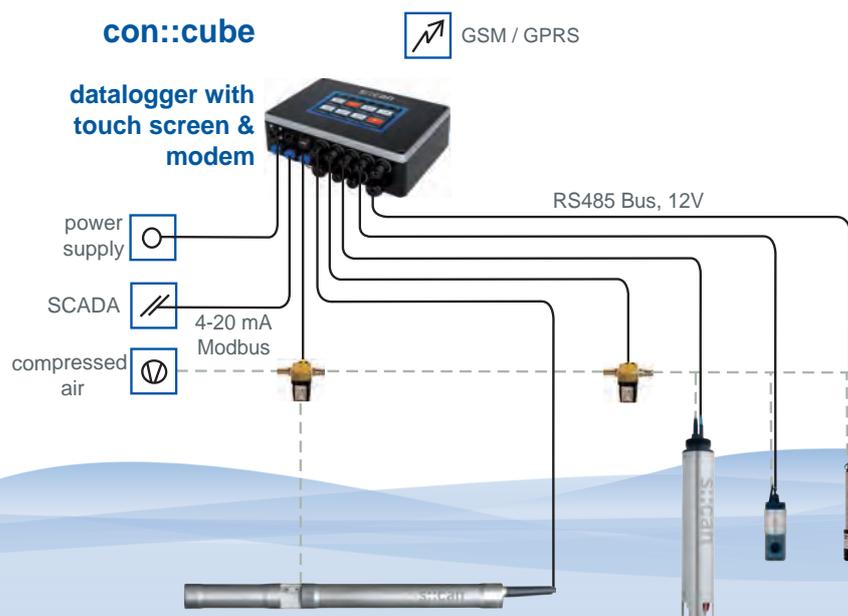
Our products measure a wide range of parameters in numerous applications. All s::can measuring instruments are developed with the same philosophy in mind: They are intelligent, robust and require little to no maintenance.



Terminals and Software

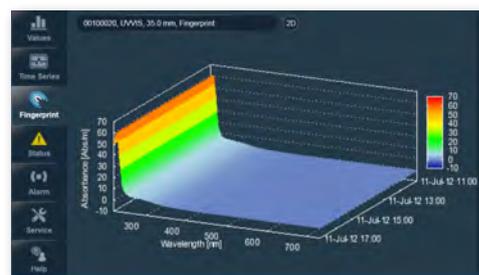
con::cube

s::can's con::cube is a compact, powerful and versatile terminal for data acquisition and station control. Integrating the newest processor technology, the con::cube's very flexible options for interfacing to SCADA or any central database systems makes it perfect for station control. Its low power consumption in sleep mode fits the requirements for the operation in remote installations powered by solar panels.



moni::tool

moni::tool is a revolutionary new platform for the management of measuring stations, online probes and analyzers. Whether it is installed in a large monitoring network or as a stand-alone station, moni::tool's intuitive software and state of the art features are an essential backbone for sensor and station management.



Data Validation

vali::tool automatically detects, marks and corrects untrustworthy data, ensuring that only high quality data are fed into the event detection system. It also provides the user with indications on sensor maintenance requirements and automatically detects and signals possible failures of the sensors.

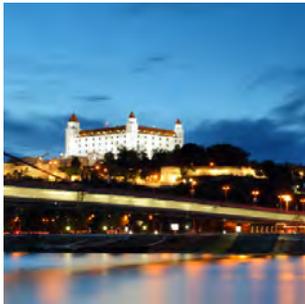
Event detection

s::can's event detection system ana::tool continuously analyzes the spectral fingerprint to detect changes in the water composition. The system responds to deviations of parameters compared to the original fingerprint. It combines Static Alarms, Dynamic Alarms, Pattern Recognition and Spectral Alarms. moni::tool incorporates a simple to use learning system for its alarms that includes user feedback and gradual composition changes (e.g. seasonal variations).

You application. Our solution.

s::can monitoring systems are suitable for a wide range of applications, ranging from ultra pure water to industrial waste waters.

Drinking water



Early warning system monitors Bratislava's water supply

s::can's event detection system monitors the groundwater quality of 176 raw water sources 24 hours a day. It is based on s::can's moni::tool, that continuously analyzes four spectral alarm parameters to detect changes resulting from untypical, possibly harmful, water quality events.

Bratislava Water Company

Location: Bratislava, Slovakia
Project: Ground water monitoring

Key products installed: spectro::lyser, moni::tool
Parameters monitored: NO₃, TOC, SAC254 and Conductivity

Waste water



County of Santa Cruz effectively controls H₂S in its waste-water treatment plant

s::can's spectro::lyser monitors and controls the dosing of chemicals to reduce H₂S, improving the efficiency of the dosing, diminishing the odor problem, protecting the environment and lowering the operational costs.

County of Santa Cruz

Location: California, USA
Project: Waste water monitoring

Key products installed: spectro::lyser, moni::tool, pH::lyser
Parameters monitored: NO₃, dissolved H₂S and pH

More than 5000 s::can systems are installed all over the world.

Environmental Monitoring



s::can sensors monitor Ganges river quality during world's largest religious gathering

s::can's stations monitor the quality of the water in the Ganges river in India. This results in a better understanding of the contamination of the river by local industry and protects the millions of pilgrims that bathe in the Ganges river.

Indian Central Pollution Control Board

Location: Ganges, India

Project: River water monitoring

Key products installed: spectro::lyser, ammo::lyser, condu::lyser, oxi::lyser, con::cube, moni::tool

Parameters monitored: COD, TSS, BOD, EC, pH, NH₄, Chloride and DO

Industrial Monitoring



United Dairymen of Arizona reduce product loss in their processing facility

s::can's spectro::lyser monitors the COD in the waste water stream of UDA's dairy process plant in Tempe, Arizona. This results in lower product loss and decreased wastewater charge by the municipality.

United Dairymen of Arizona

Location: Arizona, USA

Project: Industrial processing

Key products installed: spectro::lyser, moni::tool

Parameters monitored: COD, TSS and Fingerprints



HEADQUARTERS

s::can Messtechnik GmbH
Brigittagasse 22-24
1200 Vienna, AUSTRIA
PHONE: +43 / 1 / 219 73 93
FAX: +43 / 1 / 219 73 93-12
sales@s-can.at, www.s-can.at

CHINA

Rm D /17F Building B
1118 Changshou Rd.
200042 Shanghai
PHONE: (+86-21) 34 06 03 11
FAX: (+86-21) 34 06 03 11
lxiao@s-can.cn, www.s-can.cn

USA

s::can Measuring Systems LLC
1035 Cambridge St. Suite 1
02141 Cambridge, MA
PHONE: +1 (888) 694-3230
FAX: +1 (888) 469-5402
sales@s-can.us, www.s-can.us

