spectro::lyser V3

high performance online water quality monitoring - fingerprints and spectral alarms,- TSS, turbidity, NO3-N, COD, BOD, TOC, DOC, UV254, color, BTX, O3, HS

Simplicity	Communicates directly with your smartphone via Bluetooth
Ingenuity	Web server on board, IoT enabled
Transparency	Transmits sensor status via optical information ring
Precision	Provides a new level of optical performance in all applications
Integrity	With 10000 sensors in the field, we know how to make affordable spectrometers last forever

3x more stable and precise* — V3 / spectro::lyser V2

100x more communication skills* — V3 / spectro::lyser V2

6x more measurement speed* — V3 / spectro::lyser V2

12000x more onboard memory* — V3 / spectro::lyser V2

10x more power efficiency* — V3 / spectro::lyser V2

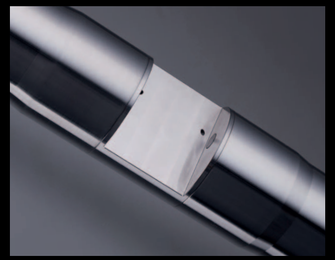
* ... remaining the undisputed leader in all disciplines

Use it stand-alone or with the high-end terminal con::cube V3

The spectro::lyser V3 is very versatile. You can simply connect it via Bluettooth or WLAN with your mobile device. Configure the spectro::lyser V3 via the user-friendly webinterface Io::Tool and visualize data there. For even more possibilities on connecting/interfacing other sensors, SCADA or any central database the terminal con::cube V3 is the perfect solutions. It is a compact, powerful and versatile terminal for data acquisition and station control. Due to its low power consumption, this terminal fits the requirements for operation in remote installation sites.

mobile device with Io::Tool

con::cube V3 terminal with moni::tool



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Intelligent. Optical. Online.

light. speed ahead.

The new spectro::lyser V3

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Intelligent. Optical. Online.

Wireless communication

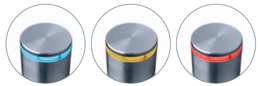
Communicates directly with your mobile device via Bluetooth® or WLAN. No terminal required.

Web server on board - IoT enabled

No additional software is needed to configure the probe.

Optical information ring

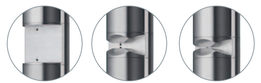
The color of the optical information ring signals the state of the sensor.



everything okay | sensor in service mode | parameter or device alarm

Three different optical path lengths

The perfect measuring range and accuracy for every application.



drinking water: 35 mm | surface water: 5 mm | waste water: 1 mm

Revolutionary precision

Improved optical efficiency and intelligent algorithms.

Fast measurement interval

Every 10 seconds, no delays, detects events immediately.

Huge 8 GB onboard memory

Allows logging data for longterm monitoring.

Extremely power efficient

Sleep mode with only 2 mW power consumption.

Wireless communication - Io::Tool

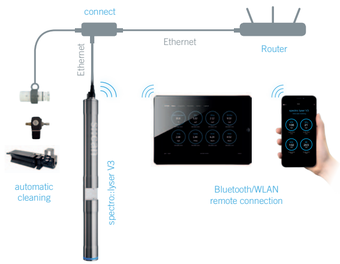
Intuitive web interface for data visualization and configuration of the spectro::lyser V3.

View all your data at a glance on your mobile device

Io::Tool visualizes measurement data, time series, fingerprints and status information.

Intelligent IoT enabled spectrometer probe with integrated webserver for smart water quality monitoring

Configure your spectro::lyser, install new parameters, perform calibrations



spectro::lyser V3 in remote / stand-alone application

Thanks to the WLAN and Bluetooth remote connection in combination with Ethernet the spectro::lyser can be used as stand-alone probe.

Choose your parameters

Freely configure your spectro::lyser for your application.
You only pay for the parameters you want to measure. Add new parameters any time.

	Drinking Water		Environmental		Municipal Waste Water			Industrial			
	Drinking Water	Ground Water	River/Surface Water	Sea Water	Effluent Municipal	Aeration	Influent Municipal	Dairy	Paper Influent	Paper Effluent	Brewery
	d	g	r	o	e	l	i	m	p	q	b
TSS			■		■		■	■	■	■	■
TS						■					
Turbidity	■	■	■	■	■						
Color app / true	■	■	■	■	■		■				
TOC	■	■	■	■	■		■				
DOC	■	■	■	■	■		■				
BOD			■		■		■				
COD / CODf			■		■	■	■	■	■	■	■
NO3-N/ NO3	■	■	■	■	■	■	■	■	■	■	■
Chloramine	■										
HS-		■	■				■				
O3	■				■						
CLD	■										
Chl-A			■								
BTX		■	■								
UV254 t / UV254 f	■	■	■	■	■	■	■	■	■	■	■
UV436 t / UV436 f	■	■	■	■	■	■	■	■	■	■	■
Single wavelength	■	■	■	■	■	■	■	■	■	■	■
Temperature	■	■	■	■	■	■	■	■	■	■	■
Fingerprint	■	■	■	■	■	■	■	■	■	■	■
Fingerprint comp	■	■	■	■	■	■	■	■	■	■	■

Configure your spectro::lyser, install new parameters and perform calibrations.