s::can
Intelligent. Optical. Online.

spectro::lyser

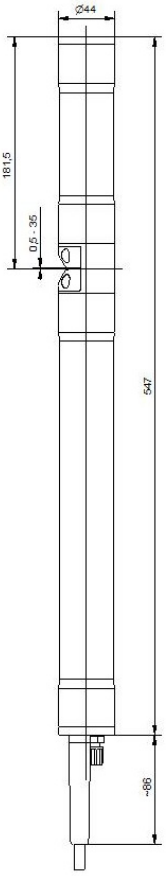
The success story continous, spectrometry at it´s best

www.s-can.at

spectro::lyser™ V2

New features:

- shorter, smooth design
- stainless steel material 1.4404
- very flexible cable and cable gland
- temperature measurement in flow cell possible
- one spectrometer probe for all types of applications
- robust and precise adaption of optical path lengths to 35mm, 5mm, 2mm, 1mm and 0,5mm possible
- integrated cleaning pipe
- easier mounting and no clogging
- optional: plug connection on spectrometer probe for system panel applications

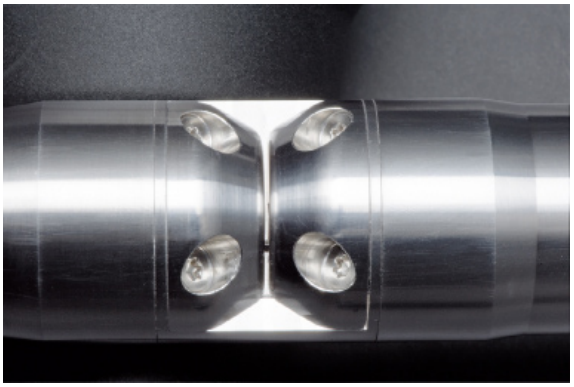


- s::can plug & measure
- measuring principle: UV-Vis spectrometry over the total range (220-720 nm or 220-390 nm)
- multiparameter probe
- ideal for surface water, ground water, drinking water and waste water
- spectro::lyser™ UV monitors depending on the application an individual selection of: NO_3-N, COD, BOD, TOC, DOC, UV254, NO_2-N, BTX, fingerprints and spectral alarms, temperature and pressure
- spectro::lyser™ UV-Vis monitors depending on the application an individual selection of TSS, turbidity, NO_3-N, COD, BOD, TOC, DOC, UV254, color, BTX, O_3, H_2S, AOC, fingerprints and spectral alarms, temperature and pressure
- long term stable and maintenance free in operation
- factory precalibrated
- automatic cleaning with compressed air
- mounting and measurement directly in the media (InSitu) or in a flow cell (monitoring station)
- operation via s::can terminals & s::can software

technical specification

measuring principle	UV-Vis spectrometry 220 - 720 nm UV spectrometry 220 - 390 nm
measuring principle detail	xenon flash lamp, 256 photo diodes
automatic compensation instrument	two beam measurement, complete spectrum
automatic compensation cross sensitivities	turbidity / solids / organic substances
precalibrated ex-works	all parameters
accuracy standard solution (>1 mg/l)	NO_3-N: +/- 2% +1/OPL[mg/l]* COD-KHP: +/-2% +10/OPL[mg/l]* (* OPL … optical pathlength in mm)
access to raw signals	access to spectral information
reference standard	distilled water
onboard memory	656 KB
integrated temperature sensor	-10 ... 50 °C
resolution temperature sensor	0.1 °C
integrated pressure sensor (optional)	0 ... 10 bar
resolution pressure sensor	2.5 mbar
integration via	con::cube con::nect con::stat
power supply	11 … 15 VDC
power consumption (typical)	4.2 W
power consumption (max.)	20 W
interface connection to s::can terminals	MIL connector, IP 68, RS485, 12 VDC
interface to third party terminals	con::nect incl. gateway modbusRTU

cable length	7.5 m
cable type	TMPU jacket
housing material	stainless steel 1.4404
weight	min. 3.4 kg (incl. cable)
dimensions (diameter x length)	44mm x 547mm / 633mm
operating temperature	0 ... 45 °C
storage temperature	-10 ... 50 °C
operating pressure	0 ... 3 bar
high pressure specification	10 bar
explosion proof specification (optional)	according to EN60079-0, -1, ATEX
installation / mounting	submersed or in a flow cell
flowrate	3 m/s (max.)
mechanical stability	30 Nm
protection class	IP 68
automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar air volume: 7 ... 20 liters per cleaning cleaning duration: 3 ... 15 seconds per cleaning cleaning interval: every 1st to 10th measuring interval, depending on application delay: 10 … 30 seconds
conformity - EMC	EN 61326:97/A1:98/A2:01
conformity - safety	EN 61010-1:2002
extended spare part warranty (optional)	3 years



s::can
Intelligent. Optical. Online.

Water Quality OnLine

s::can is the only firm in the world that has given its heart and soul to online water quality monitoring. Since our foundation 10 years ago, nothing else has come out of our development department, nothing else has come out of our production sites.

Today our product range covers an absolutely state of the art measuring instrument for each individual parameter for typical applications in the areas of water, waste water, environmental monitoring, and industrial applications. Whether it is a simple pH sensor or a complex spectral probe, s::can measuring instruments are intelligent and compatible with each other in s::can systems and with third-party systems.

Organically developed, constantly tried and tested, and often proven: Optical works best. It doesn‘t matter whether it is COD, TOC, N03, N02, TSS, turbidity, dissolved oxygen, or many others besides. Whenever an optical method is available, we use it; when not, we develop one. Optical methods are the most reliable, the simplest, have the lowest cost, and, above all, they are usually the most accurate. If ever a measurement is impossible by optical methods, then we just use the best alternative method that comes closest to our focus.

We are proud of having created all this in less than 10 years and also to have set new standards in water monitoring along the way. For example, in 2000 when we brought our first spectro::lyser™ to the market we established online UV spectrometry in sensor format in the marketplace years ahead of the competition. Today, with well over 2000 systems sold, we are the undisputed global market leader in this segment and can continue to call ourselves the technological leader.

s::can Messtechnik GmbH
Brigittagasse 22-24, 1200 Vienna, Austria
Tel. +43 / 1 / 219 73 93
Fax +43 / 1 / 219 73 93 - 12
Email: office@s-can.at
www.s-can.at