



We are making your liquids
transparent!

ISA Spectrometer

ISA



innovative

flexible

online

ISA Spectrometer

GO
Systemelektronik

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NO₃

SAC

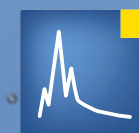
TOC

COD

TSS

Phenol

Glycol





In Situ Spectral Analyser

- Online multi-parameter spectrometry
- Smallest mechanical scale
- Measuring head applicable up to 110°C
- Optical path length free adjustable from 0.5 to 20 mm
- Stainless steel measuring head, saltwater-proof
- Open access to the calibration
- Fully integrated air pressure cleaning
- Adjustable for up to 99 parameters

Applications

Drinking water

- Quality control
- Alarm system

Waste water

- Effluent monitoring
- Analysis of trends
- Early detection of disposal (fingerprint)

Process water

- Process monitoring in industrial facilities
- Control of water treatment

Equipment

Technical specifications

System	UV-VIS spectrum (190 – 720 nm)
Measuring principle	Spectral analysis
Optical path length	0.5 – 20 mm
Frequency of measurement	≥ 20s
Light source	Xenon flash light
Measuring head	Stainless steel 1.4539
Temperature range	-10°C up to +110°C
Weight of measuring head	0.8 kg
Size of measuring head	Length: approx. 230 mm Diameter: 44 mm

Interfaces

Ethernet, 10 MBit/s, div. protocols, e.g. TCP/IP

GSM, GPRS, UMTS

USB

RS232, RS485, 9600 Bd; div. protocols, e.g. Modbus, SDI12

CAN-bus for the connection with other sensors

Parameter

NO₃

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further parameters by calibration