

# BONT<sup>®</sup>

Bont Technologies GmbH

## In Situ Spectral Analyser ISA4000



Iron

TSS

SiH

Spice

Phos

pH

Cr

TCC

CO<sub>2</sub>

NO<sub>3</sub>

## In Situ Spectral Analyzer

- Online multi-parameter spectrometry
- Smallest mechanical scale
- Measuring head applicable up to 110°C
- Optical path length free adjustable from 0.5 to 20mm
- 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

#### Process Water

- Process Monitoring in industrial facilities
- Control of water treatment

#### Waste Water

- Effluent Monitoring
- Analysis of Trends
- Early detection of disposal (fingerprint)

### Equipment

#### Technical Specifications

System	ISA spectrum (190 - 720nm)	Measuring Head	Stainless steel 1.4539
Measuring Principle	Spectral Analysis	Temperature Range	-10°C up to +110°C
Optical Path Length	0.5 - 20mm	Weight of measuring head	0.8 kg
Frequency of measurement	≥20s	Size of measuring head	Length : approx. 230mm Diameter : 44mm
Light Source	Xenon flash light		

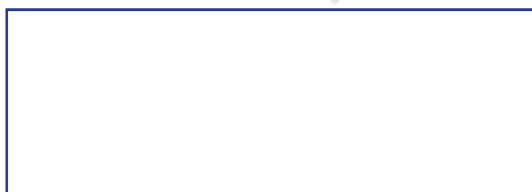
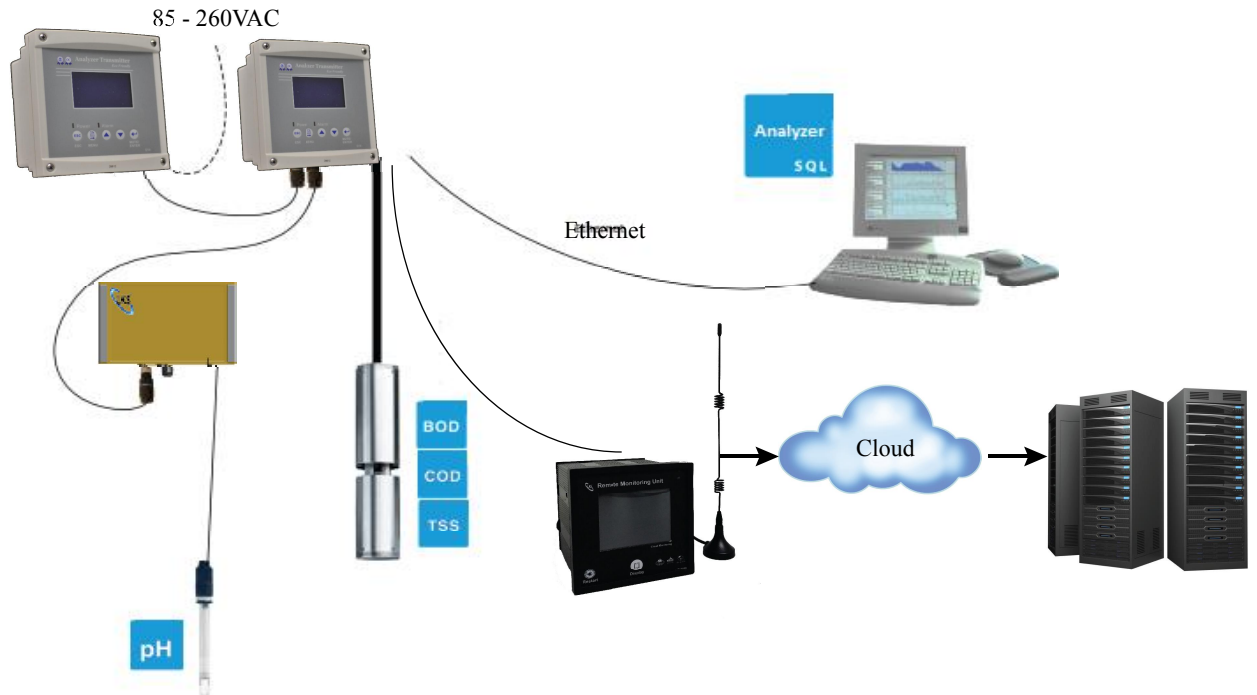
#### Interfaces

- 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

- NO<sub>3</sub>
- SAC
- TOC
- COD
- TSS
- Phenol
- Glycol
- Further parameters by calibration

### UV for pH, TSS, BOD, COD



**Bont Technologies GmbH**

Salzstr.1 21335 Lüneburg

[www.bont-tech.com](http://www.bont-tech.com) [info@bont-tech.com](mailto:info@bont-tech.com)