

WE MAKE LIQUIDS TRANSPARENT.



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# **BlueMon On-line Analyser**

The **BlueMon** analyser is a powerful measurement device for wet-chemical on-line analysis methods. The analyser allows for a fully automated and self-calibrating operation of up to six sample lines. Thereby it enables the on-line monitoring of parameters that previously required time-consuming and costly manual lab work. The BlueMon Analyser also features extensive control functions, as well as the possibility for remote access and control via internet and mobile networks.

## **Application Areas**



#### **Drinking Water**

- Quality control
- Alarm systems



- Wastewater
- Effluent monitoring
- Trend analysis



#### Process Measurement & Control Technology

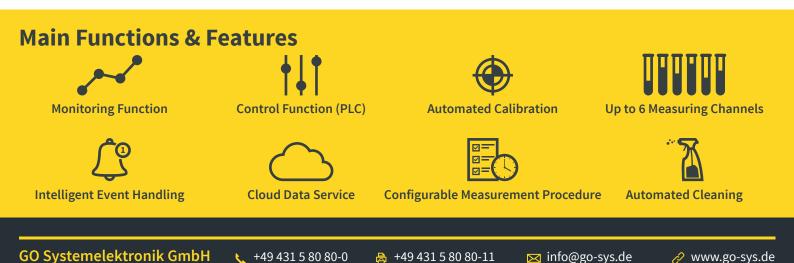
- Process monitoring in industrial facilities
- Control of process water treatment
- Process optimization



- **Environmental Monitoring**
- River water
- Surface water

# Parameters

- Ammonium
- Chlorine
- Orthophosphate
- Total phosphorus (TP)
- Total nitrogen (TN)
- Silica
- \* Further parameters on request







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#### Technical data

Power supply		230 VAC (90 - 260 V)
Power consumption (typ	oical)	42 W
<b>Dimensions (wxhxd)</b> Art. no. 488 1xxx Art. no. 488 2xxx		45 x 48 x 26 cm 60 x 70 x 30 cm
IP protection class		IP 54 / IP 65 [optional]
Number of measuring cl	hannels	2 / up to 6 [optional]
Sample pressure	0 bar (max	. 0.05 bar overpressure)
Sample temperature		+10 to +40 °C
Ambient temperature		+15 to +35 °C

### Interfaces

1x RS-232, RS-485, var. protocols e.g. Modbus

1x CAN bus for connection of additional modules, sensors & actuators

1x Ethernet [TCP/IP], Modbus [TCP/IP]

Profibus [optional]

GPRS / UMTS / LTE modem [optional]

#### Inputs

- 1x Current input 4-20 mA
- 4x Digital-In (static) potential-free contacts
- 1x Connection for pH glass electrode
- 1x Connection for temperature (PT1000) 0-80 °C
- 1x Connection for Redox/ORP electrode
- 1x Connection for leakage sensor

#### Outputs

2x Current output 4-20 mA

4x Digital-Out

6x Relay with a switching capacity of 24 V AC/DC; 0,5 A

# Silica

Measuring principle	photometric
Measuring range	0.0 - 0.02 / 2.0 / 100 mg/l
Art. no.	488 1FS0

## Orthophosphate

Measuring principle	photometric
Measuring range	0.0 - 0.5 / 2.0 / 6.0 / 25 / 50 mg/l
Art. no.	488 1FP0

# Total nitrogen

Measuring principle	photometric
Measuring range	0.0 - 0.5 / 10 mg/l
Art. no.	488 2FN1

Ammonium	
Measuring principle	photometric
Measuring range	0.0 - 0.5 / 4.0 / 8.0 / 20 / 100 mg/l
Art. no.	488 1FA0

# Orthophosphate & total phosphorusMeasuring principlephotometricMeasuring range0.0 - 0.1 / 0.5 / 6.0 / 100 mg/lArt. no.488 2FP1

# Chlorine

Measuring principle	photometric
Measuring range	
free, combined & residual chlorine	0.0 - 0.2 / 1.0 / 3.0 mg/l
Art. no.	488 1FC0

\*Further parameters on request