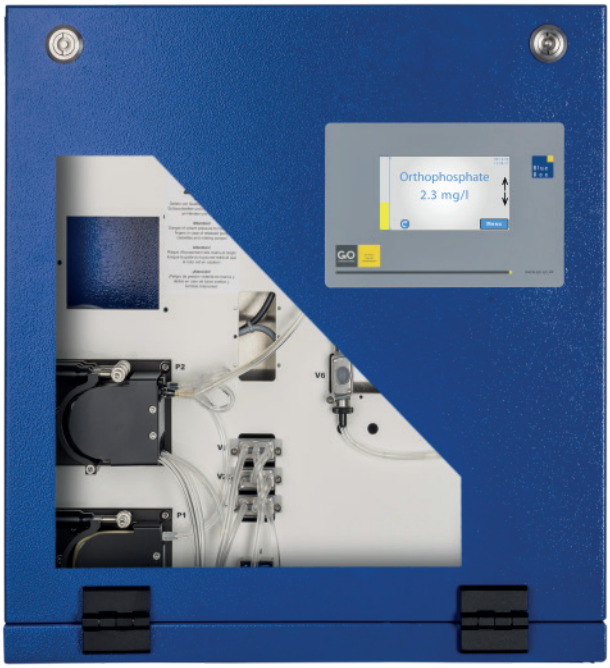
GO SYSTEMELEKTRONIK

WE MAKE LIQUIDS TRANSPARENT.

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)
- Total nitrogen & total phosphorus (TN/TP)
- Silica

* Further parameters on request

Main Functions

- Monitoring Function
- Control Function (PLC)
- Automated Calibration
- Up to 6 Measuring Channels
- Intelligent Event Handling
- Cloud Data Service
- Configurable Measurement Procedure
- Automated Cleaning

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Technical data

Power supply	230 VAC (90 - 260 V)
Power consumption (typical)	42 W
Dimensions (wxhxd)	
Art. no. 488 1xxx	45 x 48 x 26 cm
Art. no. 488 2xxx	60 x 70 x 30 cm
IP protection class	IP 54 / IP 65 [optional]
Number of measuring channels	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 phosphorus

Measuring principle	photometric
Measuring range	0.0 - 0.1 / 0.5 / 6.0 / 100 mg/l
Art. no.	488 2FP1

Total nitrogen & total phosphorus

Measuring principle	photometric
Measuring ranges	0.0 - 2.0 TN 0.0 - 1.0 TP mg/l
	0.0 - 5.0 TN 0.0 - 2.0 TP mg/l
	0.0 - 10 TN 0.0 - 5.0 TP mg/l
	0.0 - 50 TN 0.0 - 10 TP mg/l
Art. no.	488 2TPN

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

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