



Innovation in Environmental & Process Technology

*We **Understand** Water & Waste Water Monitoring*

Bluemon Ortho & Total Phosphate Analyser

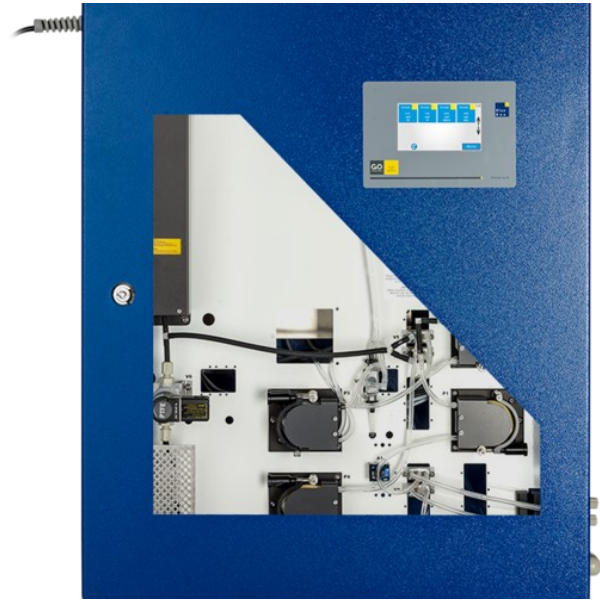


Bluemon [Photometer]

The automatic laboratory!

Features:

- Factory calibrated
- Simple maintenance
- Up to 6 sample lines
- Modular expandable
- Intelligent event-handling [SMS and E-mail]
- Ready for network based data processing and control technology [BlueGate]



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Technical Data

Method	Parameter:	Ortho- & total phosphate
	Measurement principle:	Molybdenum Blue & Digestion
	Measurement accuracy:	<5%
	Measurement resolution:	0.01 mg/l (Depends on range)
	Minimal cycle duration:	15min - 30min
	Calibration:	Auto 2 point calibration
	Consumables:	2 month at 30 min interval (Typical)
Measurement ranges	0.0 - 0.5 mg/l PO43-P 0.0 - 2.0 mg/l PO43-P 0.0 - 6.0 mg/l PO43-P Other ranges as options	
Sample lines	2x Sample lines standard up to 6 sample lines optional	
Interfaces	1x Ethernet [Modbus TCP]	
	1x RS-232 or RS-485 (Modbus)	
	1x CAN-bus (for connecting further modules sensors & actuators)	
	2x Current output 4 - 20 mA	
Actuators	1x Digester with temperature heating and UV monitoring	
	1x Stirrer control	
	1x Motor control forward/backward and pulse counter	
	2x Motor control - (direction selectable)	
	12x Relays for valves, limit values and control outputs 24 VDC	
	Expandable [CAN-bus] [Modbus]	
Technical details	Power supply:	24 VDC (power supply included)
	Power supply unit:	Input voltage 85 - 264 VAC
	Power consumption typical:	42 W
	Protection class:	IP 54 (optional IP 65)
	Dimensions (WxLxH):	31 x 60 x 70 cm
	Weight:	approx. 45 kg
	Colour:	RAL 5010 (blue)
	Sample pressure:	0 bar (max 0.05 bar overpressure)
	Sample flow rate:	2 - 10 l/h, no suspended solids
	Sample temperature:	10 - 40 °C
	Ambient temperature:	15 - 35 °C
	Operating system:	embedded Linux™
Sensors	1x Photometer [LED adjustable]	
	1x Connector for pH glass electrode	
	1x Connector for temperature (PT1000) 0 - 80 °C	
	1x Connector ORP (Redox) electrode [optional pH]	
	1x Current input 4 - 20 mA	
	6x Digital In	
	1x Connector for leakage sensor	
	6x Connector liquid detector for sample reagent	
	Expandable [CAN-bus] [Modbus]	

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