Bluemon NH4 Analyser

G·O SYSTEMELEKTRONIK

WE MAKE LIQUIDS TRANSPARENT.
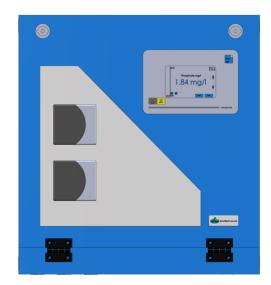
Bluemon [Colorimeter]

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]

Technical Data			
Method	Parameter:		Ammonium in water
	Measurement principle:		Colorimetry at 643 nm; Indephenol Blue
	Measurement accuracy:		<3%
	Measurement resolution:		0.001-0.1 mg/l
	Minimal cycle duration:		10min
	Calibration:		Auto 2 point calibration
	Consumables:		4 month at 30 min interval
At Temp. > 20 °C cooling of the reagents is recommended, reagent cooling system: Article no. 416 5000-X samples with particle size > 100 microns need filtration			
Measurement ranges	0.0 - 0.5	mg/l	NH4	0.0-4.0 mg/ NH4
	0.0 - 8.0	mg/l	PO43-P	0.0-20.0 mg/NH4
	0.0 - 40.0	mg/l	PO43-P	
Sample lines	2x Sample lines standard		
	up to 6 sample lines optional		
Interfaces	1x Ethernet [Modbus TCP]		
	1x RS232 or RS485 (Modbus)		
	1x CAN-bus (for connecting further modules sensors & actuators)		
	2x Current output 4-20mA		
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)		
	6x 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):		45 x 48 x 26 cm
	Weight:		approx. 20kg
	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 LinuxTM
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 4-20mA		
	2x Digital In		
	1x Connector for leakage sensor		
	2x Connector liquid detector for sample reagent		
	Expandable [CAN-bus] [Modbus]		