Bluemon NH4 Analyser

Bluemon [Colorimeter]

The automatic laboratory!
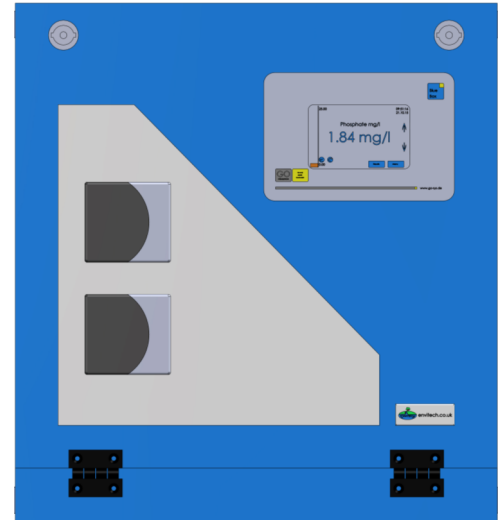
Features:

- 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]