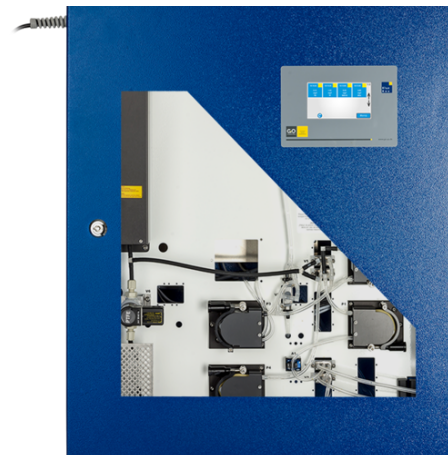


BlueMon Total Nitrogen & Total Phosphorus

Article number
488 2TPN

Fully automatic on-line analyser for measuring concentrations of mediums in fluids according to wet-chemical methods.

The photometer total nitrogen & total phosphorus version of the BlueMon system comprises of the following equipment: analyser unit and control and measurement electronics in a powder-coated cabinet.



Technical data BlueMon Total Nitrogen & Total Phosphorus

Method: photometric measurement according to DIN EN ISO 6878 (Molybdenum Blue Method) and DIN EN ISO 11905

Measuring range: selectable option

Accuracy: $\pm 3\%$ (Total Phosphorus), $\pm 5\%$ (Total Nitrogen) of full scale

Number of sample channels: selectable option

Sample conditions:

Sample pressure: 0 bar (max 0.05 bar overpressure)

Sample temperature: 10 °C ... 35 °C

Sample flow rate: 2 ... 10 l/h, no suspended solids

Samples with particle size > 30 microns need filtration

Housing:

Protection classification: IP54 (optional IP65)

Dimensions: (LxWxH): 600 mm x 300 mm x 700 mm

Cabinet material: aluminium (powder-coated in blue)

Power consumption (average): 45W

Interfaces:

1x Ethernet TCP/IP (incl. Modbus)

1x Serial Interface (example protocols: RS232/RS485 (Modbus RTU), IEC 60870-5-104; further more, see protocol list)

1x CAN bus (for connecting further BlueBox System modules for sensors and actuators)

2x current output 4 - 20mA

4x digital output

Additional interfaces: selectable option

Additional connectable sensors:

1x connector for pH glass electrode

1x connector for temperature (PT1000)

1x connector redox electrode

1x current input 4 - 20mA

2x digital in

1x leakage sensor

2x bubble detector for sample reagent

Pos.	Messbereich	
1	Total nitrogen up to 6 mg/l Total phosphorus up to 1 mg/l	2
2	Total nitrogen up to 100 mg/l** Total phosphorus up to 20 mg/l**	1

*requires dilution of the sample

Pos.	Number of sample channels	Art. Nr.
3	2 channels	-/

Pos.	Additional interfaces	Art. Nr.
4	Without	-/

Pos.	automatical cleaning	Art. Nr.
5	with automatical cleaning	-aR