



EGC Water Analyzer

11A10001X



The Exhaust Gas Cleaning Water Analyzer (EGC Water Analyzer) is a special development from TriOS for monitoring various parameters in exhaust gas scrubbing systems on ships.

It can be equipped with three sensors:

- **enviroFlu** for the identification of polycyclic aromatic hydrocarbons (PAH/PAH),
- **TTurb** for turbidity measurement and
- **TpH-D** to determine the pH value.

The flow rate, temperature and turbidity-corrected PAH value can also be determined. A TriBox3 is installed inside the measuring cabinet, to which all sensors are connected. The Ethernet interface and the six analog outputs are connected directly ex works in a transparent connection box.

Advantages

- Comprehensive monitoring
- Integrated TriBox3 controller
- Versatile connectivity
- User-friendly, robust design
- Ship approval according to IMO regulations MEPC.340(77)*

Applications

- For determining various parameters in the wash water of exhaust gas scrubbing systems on ships

*For the measuring cabinet fully equipped with TpH-D, TTurb and enviroFlu incl. TriBox3 (firmware version 1.5.4 or higher) and wire rope damper.

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Technical specifications

Power supply

Voltage supply	100 - 240 VAC, 50 - 60 Hz
Power consumption	Max. 50 W

Interfaces

Digital	Ethernet
Analog	6 outputs: 4 .. 20 mA
Load	max. 500 Ω
Protocol	Modbus TCP/IP
Parameters	• PAH • pH (BS EN 60746-2:2003) • Turbidity (DIN EN ISO 7027:2016) • Temperature (from TpH-D) • Flow rate (internal) • PAH turbidity corrected

Mechanic system

Size (width x height x depth)	600 x 800 x 337 mm	~ 23.6" x 31.5" x 13.3"
Weight	43 kg (without sensors) 45.5 kg (with sensors)	~ 95 lbs ~ 100 lbs

Environment

Sample temperature	+2 °C...+40 °C	~ +36 to +104 °F
Ambient temperature	0 °C...+45 °C	~ +32 to +113 °F
Storage temperature	-20 °C...+80 °C	~ -4 to +176 °F
Relative humidity	0...95 % (non-condensing)	
pH value	> pH4	
Degree of protection	IP56	

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Inlet

Max. pressure	Inlet pressure	1 to max. 25 bar	~ 14.5 psi to max 363 psi
	Internal pressure	max. 3 bar	max. ~ 43.5 psi
Flow volume		2 - 5 L/min	
Internal volume		Approx. 1 L	