



(picture shows system with two sampling points)

Data Sheet

MES 1003 - Washwater Monitoring System (pH, temperature, turbidity and PAH) – Prod. no. 100600

Key benefits

- Easy installation
- Easy use operation
- Easy maintenance
- Easy connection to ship- and EGCS management systems
- Compact system
- More reliable readings with one common analyzer unit
- Configurable to any scrubber system

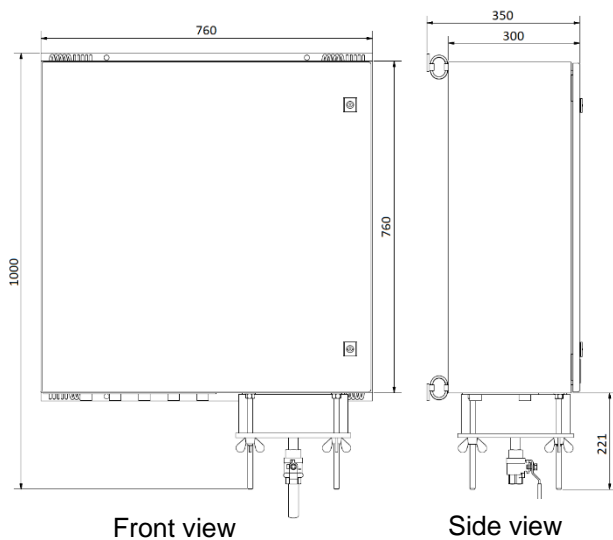
Functionality

- Standalone system
- Same set of sensors measure sample water from various places on the EGCS
- Log functionality that logs various events like warnings, errors, system status and measurement values
- Display for local access

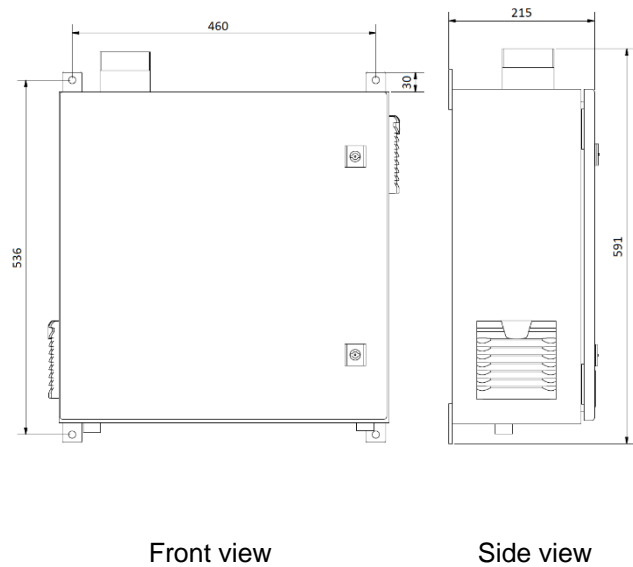
Maintenance

- To be carried out on site by ship crew
- Long calibration intervals

Washwater Analyzer Unit (WAU)



Washwater Sample Unit (WSU)


Illustration 1: Dimensions

All dimensions are in mm.

Specification

Prod. no. 100600

Parameter	Description
General	
Application	Washwater Monitoring System
Sample mounting	DN15 - 1/2", DN65, 2.5"
Measuring range	
pH	0 – 14 pH
Temperature	0 – 80 °C
Turbidity	0 – 4000 NTU
PAH	0 – 1000 µg/l
Sample water	
Temperature	0 – 45 °C
Input pressure	0 – 1 bar(g)
Required flow	2 – 12 l/min
Output max. lifting height	1 bar
Environmental	
Operating ambient temperature	0-55 °C
Ingress protection	IP54
Inputs and outputs	
Power (WAU)	24 VDC
Power (WSU)	3 phase 440 VAC
Ethernet	10 BASE-T/100 BASE-TX (Modbus TCP/IP)
RS-422	Yes, for ship GPS Supported protocol: NMEA 0183

Parameter	Description
Power	
Power supply (WAU)	24 VDC ± 25 %
Power supply (WSU)	3 phase 440 VAC ± 10 %
Frequency (WSU)	47 - 63 Hz
Power consumption (WAU)	< 75 W
Power consumption (WSU)	< 200 W
Dimensions	
WAU	
Size (H x W x D)	760 x 760 x 300 mm
Weight	75 kg
WSU	
Size (H x W x D)	500 x 500 x 210 mm
Weight	35 kg
Approvals	
Marine type approval Compliant with	Bureau Veritas IMO MEPC259(68)

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