

Memosens CFS51

Low-maintenance PAH sensor for wash water monitoring in marine exhaust gas cleaning systems



The rugged and low-maintenance Memosens CFS51 fluorescence sensor measures polycyclic aromatic hydrocarbons (PAHs) in accordance with MEPC.259(68) and MEPC.340(77). Thanks to the practical solid-state reference, you can calibrate and **readjust the sensor onboard the vessel** - supported by user-friendly guidance in the transmitter menu. This makes the calibration procedure simple and error-free, and you benefit from an exceptionally long **factory maintenance interval of 4 years**.

Memosens CFS51 measures PAH with high accuracy in both the inlet and outlet of marine exhaust gas cleaning systems (scrubbers) and is **suitable for all discharge water flow rates**.

The sensor is certified by the following approval bodies:

- DNV (Det Norske Veritas)
- LR (Lloyd's Register)
- BV (Bureau Veritas)
- ABS (American Bureau of Shipping)

What you will like about the Memosens CFS51 sensor:

- The uniquely long factory maintenance interval saves you a lot of costs and organizational effort
- The optionally available flow assembly holds the sensor at the ideal installation angle to minimize disturbing influences caused by air bubbles. In addition, it can be tilted for quick mounting and dismantling of the sensor.
- DNV approved integrated turbidity correction in the range of 0-50 FNU
- Selection of flame retardant materials for sensor and flow assembly
- The solid-state reference makes calibration very easy for your staff - and you can completely eliminate the need for toxic phenantrene, which increases safety for your employees and the environment
- The suitability of the solid-state reference for calibration and readjustment of the PAH sensor on board was confirmed in a Statement of Compliance by DNV

The low-maintenance PAH package for every scrubber



The Memosens CFS51 fluorescence sensor accurately measures the PAH concentration in the inlet and outlet of marine gas scrubbers (ECGS) offering all benefits of the Memosens digital sensor technology.



The solid-state reference allows the ship's crew to calibrate and adjust the sensor directly on board, which helps extend the sensor's factory service interval to 4 years.



The sophisticated design of the optional flow assembly, as well as the angled installation position in which the assembly holds the sensor, prevents air bubbles from influencing the measured value.

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