

## PAH sensor Memosens CFS51

Memosens sensor for measuring the concentration of polycyclic aromatic hydrocarbons in discharge water of marine exhaust gas cleaning systems (EGCS)



More information and current pricing:

[www.cz.endress.com/CFS51](http://www.cz.endress.com/CFS51)

### Benefits:

- 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
- High material compliance of sensor and flow assembly according to IACS E10 (flame retardancy)
- The solid-state reference makes calibration very easy for the end user - 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 by DNV

### Specs at a glance

- **Measurement range** 0.000 to 5000 PAHphe
- **Process temperature** -5 to 55 °C (20 to 130 °F)
- **Process pressure** 10 bar abs. (just the sensor) 6 bar abs. (combination sensor and assembly)

**Field of application:** 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 readjust and calibrate 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.

## Features and specifications

### Concentration

**Measuring principle**

Fluorescence measurement

**Application**

PAH measurement in marine exhaust gas cleaning systems

**Measurement range**

0.000 to 5000 PAHphe

**Design**

40 mm sensor

**Material**

Titanium grade 3.7035

Optical windows: sapphire

O-rings: FKM

**Process temperature**

-5 to 55 °C (20 to 130 °F)

**Process pressure**

10 bar abs. (just the sensor)

6 bar abs. (combination sensor and assembly)

**Ingres protection**

IP68

NEMA 6P

**Additional certifications**

Marine type approvals by DNV, LR, BV, ABS

Statement of compliance according to MEPC.259(68) and

MEPC.340(77) by DNV

More information [www.cz.endress.com/CFS51](http://www.cz.endress.com/CFS51)