Oil Mist Detector (OMD)

Safety from engine to operation



VISATRON®
VN2020

DRIVEN BY OMNICARE

Preventive, permanent, reliable: Schaller's VISATRON® VN2020 continuously monitors crankcase oil mist in diesel, gas, and dual-fuel engines, providing early warning of oil mist concentration to help protect both the engine and its operator.

In cooperation with

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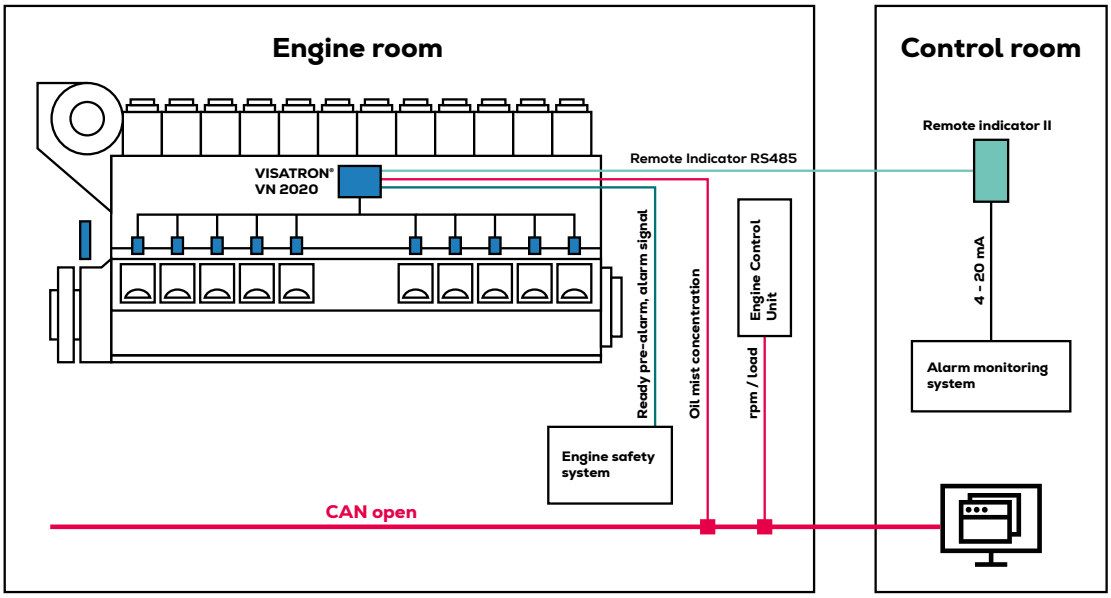
SCHALLER AUTOMATION



Installation scheme

VISATRON®VN2020's central measuring unit forms the core of the design and displays all important information for the user under normal operating conditions. It is developed for diesel, gas and dual-fuel engines. VN2020 checks multiple measuring points at the same time using an engine-specific mounting kit, ensuring complete crankcase monitoring. When oil mist levels rise at any measuring point, an alarm is triggered.

Compatibility & features

The product is designed for seamless retrofitting of earlier models. Upgrading gives you access to the latest features of our OMD technology with minimal effort.

Flexibility & outstanding safety

New, environmentally friendly fuels pose new challenges when it comes to engines and their components. VISATRON® VN2020 is the world's first explosion-protected oil mist detector that complies with both ATEX and IECEx guidelines. VISATRON® VN2020 is prepared for all upcoming engine generations operating with oil or gas as fuel.

Clarity at a glance

The measuring unit delivers key information quickly and easily. The user-friendly, easy-to-read LED display displays "OIL MIST OPACITY", "OIL MIST ALARM LEVEL" and "ERROR CODE", presenting key information always in sight. It is possible to add an additional Remote Indicator.

Interface

Via Modbus/CANbus, the VN2020 integrates directly with the latest control systems. Expanded internal memory means all system data is stored in the OMD itself, giving service teams everything they need for fast, accurate diagnostics and shorter service times.

Benefits

- All-in-One installation solution
- High measurement reliability
- Easy setup with certified training
- Lower total lifecycle cost



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