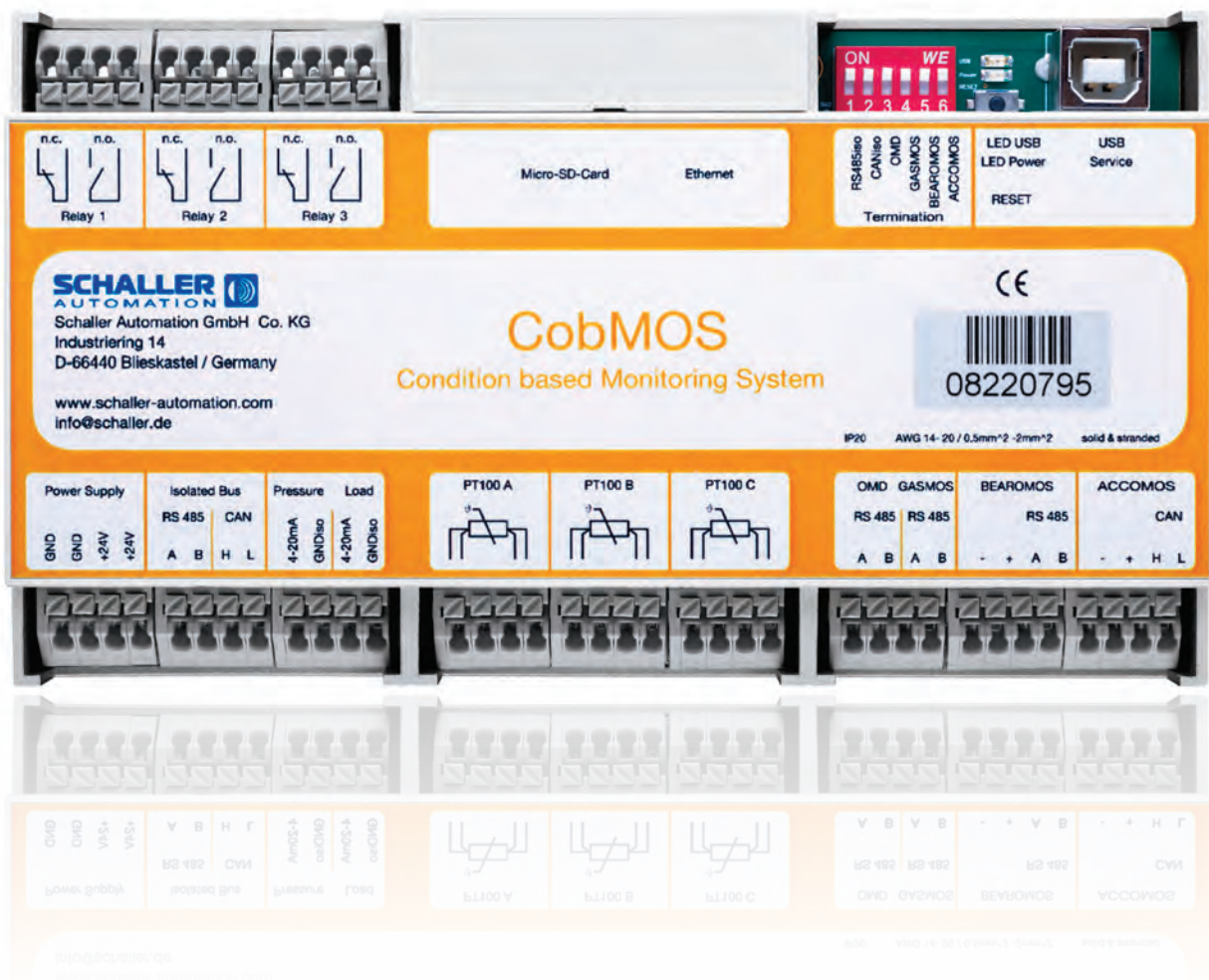


CobMOS®

Condition Based Monitoring System

The edge gateway (and data logger) for sensor solutions from SCHALLER AUTOMATION



Integration and intelligent evaluation of your sensor data

The CobMOS® module

The CobMOS module acts as a powerful edge gateway and data logger for the wide range of sensor solutions from Schaller Automation.

It combines the data from ACCOMOS, BEAROMOS, GASMOS and VN2020 or VN301plus and allows you to evaluate the data via standardised interfaces such as CANopen, Modbus RTU (RS485) and MQTT (Ethernet).

Thanks to Ethernet connectivity, CobMOS can be seamlessly integrated into local networks, allowing sensor information to be visu-

alised on any end device via an intuitive web interface.

CobMOS also comes with an advanced data logger function that allows sensor data to be stored on an SD card for an adjustable period of up to three years and limit value violations to be recorded in separate log files.

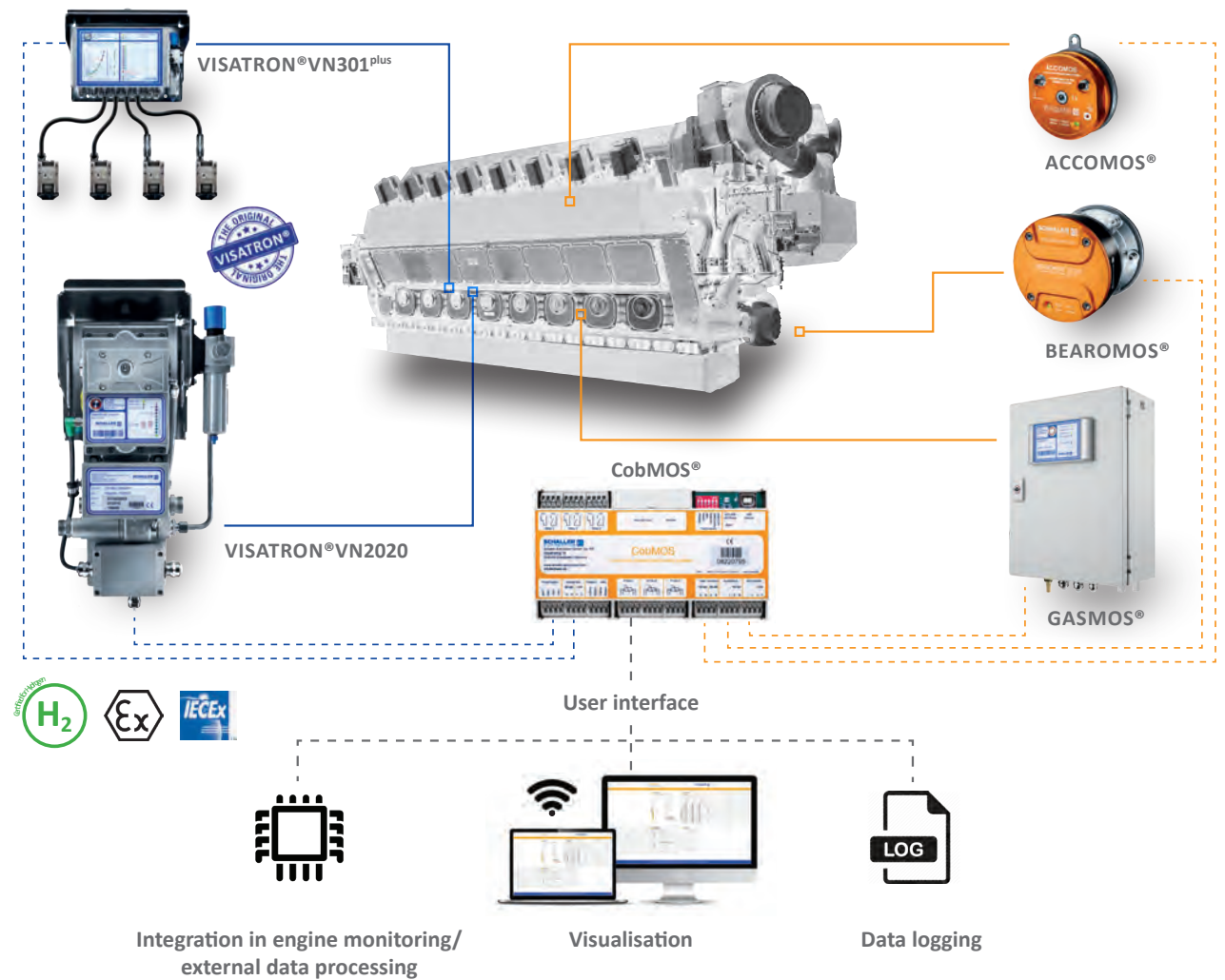
CobMOS gives you seamless integration and intelligent evaluation of your Schaller sensor data for optimised decision-making and maximum efficiency.

- Edge Gateway
- Datenlogger
- Webvisualisierung
- Cloud-enabled
- KI-enabled



OIL MIST DETECTION

CONDITION MONITORING



Sensor technical data

Electrical data		Mechanical data	
Power supply	9 V to 32 V (DC)	Dimensions (L x W x H)	160 mm x 90 mm x 33 mm
Nominal voltage	24 V DC	Weight	Approx. 210 g
Current consumption	Max. 1.85 A	Attachment	DIN top-hat rail (TH 35); keyhole drillings
Digital interfaces for external communication	Ethernet	Connections	Spring terminals (AWG) 14-20/0.5 mm ² - 2 mm ²
	RS485, electrically isolated, Modbus RTU		
	CAN, electrically isolated, CANopen		
Digital interfaces for Schaller sensors	USB1.1 – changing parameters and log access	Environmental conditions Operating temperature: +0 °C to +55 °C Storage temperature: -20 °C to +50 °C	
	RS485 – OMD (VN2020 or VN301plus)		
	RS485 – GASMOS	Max. vibrations: 5 Hz to 13.2 Hz: 1 mm peak 13.2 Hz to 100 Hz: 7 m/s ² peak (The given values describe the test conditions; there is no experience of operating outside this frequency range)	
	RS485 – BEAROMOS including power supply		
Analogue sensor connections	CAN - ACCOMOS including power supply	Relative humidity	up to 95 %
	3x 4-wire PT100	IP protection rating	IP 20
	4-20 mA – load sensor		
	4-20 mA – Pressure sensor		

Safety for you and your engine: Worldwide!

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ISO 9001/2015 certified