

AIR & GAS MEASURING

MEASUREMENT SYSTEMS AT ITS BEST



RCS OIL MONITOR

Online measuring system for the residual oil content (vapour phase hydrocarbons with 6 or more C-Atoms) of compressed air.

- › **Sensor principle:** Metal oxide sensor
- › **Value:** Residual oil mg/Nm³ (Nm³ @ 1 bar and 20°C)
(Standardized on Hexane)
- › **Detectable compounds:** Residual oil (hydro carbons) in gas or vapour phase
Methane is not detected

GAS SAMPLE PARAMETERS

- › **Gas sample:** Compressed air with a minimal grade acc. ISO 8573-1: 1/4/5
Particle filtration 0.01 µ or better
Pressure dew point Tdp < 7°C
Maximum residual oil content < 5 mg/Nm³
- › **Sample pressure:** 1.0...10.0 barg (optional upto 690 barg)
- › **Sample temperature:** -40 ... +60°C
- › **Sample pressure dew point:** < 7°C Tdp
- › **Sample flow rate:** 0.2 l/min

SIGNAL OUTPUTS

- › **Alarms:** 2 free adjustable
- › **Relays outputs:** 2 isolated closer 30 V/2 A – free adjustable
- › **Digital I/O:** RS485 RCS bus protocol (optional PC Software with USB interface)
- › **Analogue output:** 4...20 mA scaled to 0.000...0.100 mg/Nm³

POWER SUPPLY

- › **Input Voltage:** 85 – 230 V, 50 – 60 Hz
- › **Working voltage:** 24 V DC / max. 2 A
- › **Power consumption:** max. 48 VA

DIMENSIONS

- › **Dimensions Sensor box:** W x H x D [mm] 300 x 400 x 130
- › **Dimensions Display box:** W x H x D [mm] 195 x 155 x 45
- › **Options:**
 - superior modular control unit with color touch screen
 - graphical trend display
 - data logging
 - Remote control and data aquisition via ethernet or mobile data transfer

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**FACT SHEET
OIL MONITOR**

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Subject to change without notice