**Features and Benefits**

**WORLD EXCLUSIVE:**
inline hydrocarbon measuring technology that exceeds CLASS 1 (<0.01 mg/m³) ISO 8573-1 standard

**24 / 7 PROCESS RELIABILITY:**
around the clock measuring technology with automatic self-adjusting reference air sampling

**ON-SITE CALIBRATION:**
integrated probe port allows for easy, simplified calibrations without downtime or added costs

**NETWORK COMPATIBLE:**
includes data logger and full control whether on-site or from remote location

**TOUCHSCREEN DISPLAY:**
complete diagnostic, multi-function display with all parameters including alarm function

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**Operating Principle**

METPOINT® OCV detects and measures hydrocarbon vapor with a detection limit down to 0.0006 mg/m³. The evaluation unit consists of a sensor unit [1], a probe for the sampling [2], and a connection cable that runs between the evaluation unit with the touch screen display [3]. Correct sizing of the sampling and measuring sections corresponds to the stipulations of ISO 8573. With the sampling probe [2], a partial volume flow is taken from the compressed air system and supplied to the sensor unit during the measurement.

Here, a photoionisation detector (PID) [4] measures the hydrocarbon content by exposing the airflow to UV radiation. Wherever UV radiation comes into contact with hydrocarbon particles, it will ionise them, whereupon the particles become electrically conductive. This ionisation flow is then exactly measured where its strength proportionally corresponds to the hydrocarbon content.
METPOINT® OCV Oil Vapor Monitoring Device

sensor and analysis unit

**Power Supply**
115 Vac / 60 Hz

**Measurable Medium**
Compressed air

**Identifiable Substances**
Hydrocarbon / Oil Vapor

**Min./Max. Operating Temperature**
32°F / 131°F

**Min./Max. Operating Pressure**
44 / 32 psig

**Optional High Pressure Rating**
on request

**Measuring Gas Humidity**
≤40% relative humidity

**Measured Increments**
mg/m³ (per ISO 1217 standard)

**Measuring Range**
≤0.01 - 5.00 mg/m³ residual oil vapor content

**Connection**
³/₈ internal thread

**Installation Requirements**
Vertically in a rising pipe with an oil and grease free measuring section

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**Power Supply**
110 VAC / 60 Hz

**Min./Max. Operating Temperature**
32°F / 121°F

**Outputs**
Potential-free change-over contact
230 VAC / 5A or 30 VAC / 2A
Ethernet Interface
4 to 20 mA (optional)

**Installed Memory**
2 GB Internal Memory with Data Log

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Subject to technical errors, changes, omissions and/or corrections without prior notice.