

OS 120

RESIDUAL OIL SENSOR



0,003 to 10,00 mg/m³
measuring range

3 to 15 bar
operating pressure

DESCRIPTION

The oil vapour sensor OS120 monitors oil contents of compressed air and gases permanently or for spot checks. The simple installation and the outstanding performance makes OS 120 the ideal choice when oil vapour contents needs to be measured and monitored.

Oil free compressed air is not an easy task to be achieved. Monitoring is a must in many industries and applications to avoid contaminations in products and risks for health of humans. OS 120 makes this monitoring task affordable and reliable.

For best accuracy and long term stability, the sensor applies an automatic calibration. Sensor contaminations and sensor life time are monitored and will be indicated to the user. An over range detection will remove the sampling air from the sensor to protect it against contamination.

OS 120

Measuring range	Concentration:	0,003 ... 10,00 mg/m ³ ,
	Gas temperature:	-20 °C to +50 °C
	Pressure:	3 ... 15 barg
	Relative humidity:	< 40 % RH, no condensation
Sample flow rate	< 2 l/min, measuring gas is released to ambient	
Accuracy	5 % of reading ± 0.003 mg/m ³	
Gas connection	6 mm quick connection	
Output signal	4 ... 20 mA (0 ... 10 mg/m ³) RS-485, Modbus/RTU	
Ambient temperature	-20 °C...+50 °C	
Protection class	IP 65	
Casing dimensions	PC, Al alloy, 271 X 205 X 91 mm	
Display / data logger	5" touch screen, 100 million values	
Power supply	24 VDC ± 5 %, 8 W	
Sensor type:	PID (photoionization detector)	

APPLICATIONS

- General compressed air systems
- Downstream of activated carbon filters
- Downstream of oil-free compressors
- Wherever upstream drying and filtration is applied