

ANSEROS OZONE GAS ANALYZER MP



MEASURING PRINCIPLE

The patented ANSEROS ozone gas analyzer model OZOMAT MP consists of a single beam photometer with an ultraviolet lamp and only one photodetector. Calibration of the device is not necessary because the testing technique is absolutely persistent. Even if the measuring cuvette has contaminations or dust particles, the incorporated quotient method guarantees an accurate measurement with process quality. Ozone plants and systems can be controlled with OZOMAT MP automatically. Deploying such an analyzer assures that the ozone application becomes economic, secure and transparent. Ozone measurement runs continuously within the device. If necessary, a built-in diagnostic system assures error notifications. The OZOMAT MP provides analog and digital signals for ozone temperature, pressure and error reports. The ageing of the ultraviolet lamp is controlled automatically and indicated in time. The ANSEROS OZOMAT MP principle is patented under patent No. DE 41 19 346, US 5,334,536.

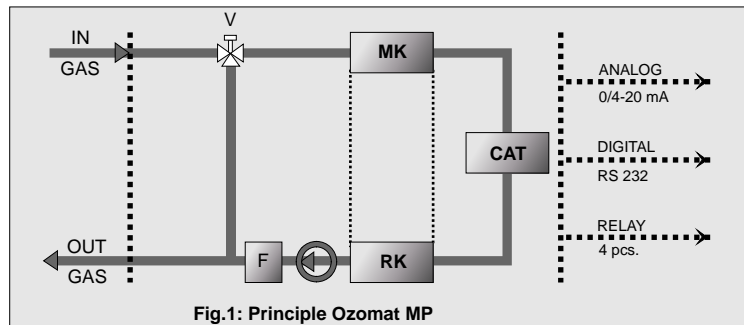


Fig.1: Principle Ozomat MP

FEATURES

The analyzer OZOMAT MP has a built-in ozone gas pump which independently supplies the instrument with the necessary measuring gas. If several points of measurement have to be measured with the analyzer, an automatic gas sampler with 4 or 8 point of measurement is available. In case of condensing water vapor, a gas cooler RIN must be incorporated. With these peripheral components, the analyzer is suitable for all fields, such as material examination, leakage monitoring, emission and immission measurement. The OZOMAT MP uses standard operations with absolute measuring results. Other ozone instruments and ozone procedures can be calibrated and certified with OZOMAT MP (IEC 17025).

SPECIFICATIONS

measuring principle:	single-beam-photometer (patent: DE 41 19 346, US 5,334,536)
measuring range: (switchable)	0-1 ppmv, 0-10 ppmv, 0-100 ppmv (other measuring ranges on request) 0-1 mg O ₃ /Nm ³ , 0-10 mg O ₃ /Nm ³
sensitivity:	0.001 ppmv
zero drift:	automatically digitally autozeroed
precision:	0.010 ppmv (< 1%)
linearity:	99,8%
concentration units:	ppmv, pphmv, mg O ₃ /Nm ³ , g O ₃ /Nm ³ , mg O ₃ /m ³ , g O ₃ /m ³ , % by weight (w/w)
display:	1 x 20 characters, alpha-numeric, LCD
gas flow rate:	100 - 200 NI /h
analog signal:	0/4 - 20 mA
digital signal:	RS 232 (bi-directional)
alarm signal:	4 x potential-free contact, changeable
diagnostic signal:	internal diagnostic system with 6 error notifications & alarm
flow detection:	optional
dimensions:	Standard 19" / 3HU rack mountable
sample ports:	1/4"
supply voltage:	110 / 240 VAC, 50/60 Hz
approval:	CE

DISTRIBUTOR



MANUFACTURER



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