

Описание на фотометры для газов. Серия ColorPlus 2 O3

По вопросам продаж и поддержки обращайтесь: ssg@nt-rt.ru www.sigrisnt-rt.ru

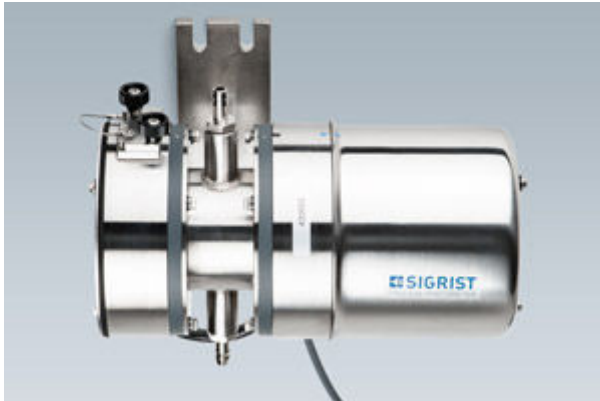
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ColorPlus 2 O3 Gas

Ozone meter for gases



- Ozone monitoring in gases
- Measuring principle according to DIN 19627 and IOA at 254 nm
- Display in mg/m³ or % wt.
- Special measuring cells for various concentration ranges
- Possibility to connect external pressure and temperature sensor
- Dual-beam measurement for high stability
- Fast and simple verification with control unit

The Ozone meter for gases measures the ozone concentration according to standard DIN 19627 and the IOA (International Ozone Association) at a wavelength of 254nm. According to these standards, the extinction coefficient is 3024 l/mol cm. Therefore, the ozone measurement can be regarded as an absolute measurement requiring no calibration with ozone. Special measuring cells with different path-lengths cover measuring ranges for low as well as high concentrations. The concentration readings (e.g. in g/m³) are valid for the pressures and temperatures prevailing during measurement. For the conversion to standard conditions, an external pressure and temperature sensor can be connected to the operating unit, the calculation is then automatically done within the instrument. For inspecting the instrument, checking units on the basis of reference filters can easily be inserted. Operation is done intuitively using the intelligent control system SICON via touch screen technology and colour display. Values, graphs, alarm and status messages can be presented. An internal data logger allows recalling and displaying measured data from the last 32 days. A variety of analogue and digital interfaces allows smooth system integration and control.

Measuring principle	Absorption
Nominal range	0 .. 300 g/m ³
Resolution	1 mg/m ³
Measuring wave length	254 nm
Enclosure	ANSI 304
Protection	IP65
Flow cell material	ANSI 316L
Power input	21 W
Weight	4.3 kg
Ambient environment	-20 .. + 50 °C
Maximum service altitude	3,000 m above sea level
Power supply	85 .. 264 V / 47 .. 440 Hz 24 VDC

Wavelengths UV

Units

Linearity

254 nm

mg/m³, %wt.

superior to $\pm 0.5\%$ transmission

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