OZONE MONITOR GM-RTI

NDUV-photometer for the continuous measurement
of high concentration of ozone in the gas phase

GM-RTI

APPLICATIONS

- measurement and control of ozone production with pressure or vacuum
- measurement and monitoring of residual ozone

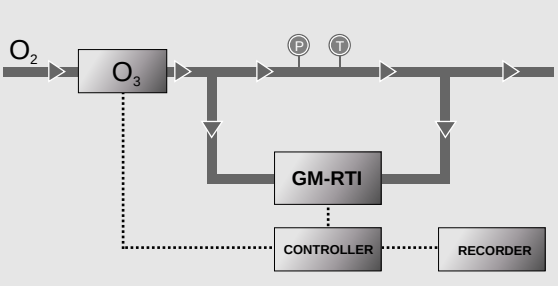


Fig.1: online measurement / control of ozone & generator concentration

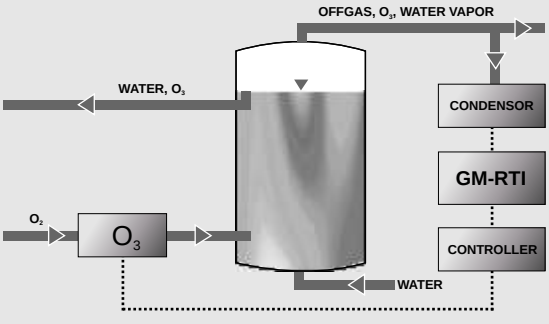


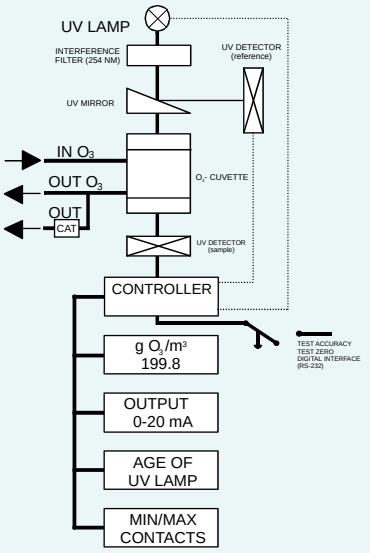
Fig.1: online measurement / control of ozone offgass

DESIGN

PRINCIPLE

Dual-beam spectrophotometer at 2353.7 nm with high quality interference filter, UV-beam splitter, reference and sample channel, UV-detectors with gas protection, long term stability.
Radiation source: low pressure mercury vapor lamp with control of UV-intensity.
Prevents disturbances due to ageing.No adjustement necessary when replacing the lamp. Reference signal works without switching valves.

DIAGRAM



CATALYST

Metal-oxide catalyst with heating and filter for ozone destruction after measuring process / or for zero gas production, with dry or humid air as well as with oxygen.

SPECIFICATIONS

MEASURING PRINCIPLE:	NDUV 253,7 nm - Photometer
RANGE:	000.1 - 299.9 g O_3/ Nm³
ACCURACY:	<1 % of scale end
SIZE (mm):	H 120 X W 320 X D 300
RESPONSE TIME:	< 1 s
OUTPUT:	0/4 - 20 mA, linear
DISPLAY RESOLUTION:	0.1 g O3 / m³
EXTINCTION COEFFICIENT:	3024 dm³/cm mol (DIN 19627)
FLOW RATE:	30 l/h
NOISE:	0,1 %
GAS CONNECTOR:	4,3 / 3 mm PTFE / SS
GAS PRESSURE:	max 2.5 bar abs. (36 psia)
SUPPLY VOLTAGE:	Internal 110 / 240 VAC, 50/60 Hz
WEIGHT:	3,2 kg
ACCESSORY:	Handle to carry and for desk positioning
CATALYST:	Metal oxide with heater and filter
CERTIFIED:	EC 17025, CEN / TR14740, DKD
APPROVED:	CE

DISTRIBUTOR

MANUFACTURER

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