

OZONE WATER ANALYZER

SERIES WM



**ND-UV-PROCESS PHOTOMETER
FOR CONTINUOUS MEASUREMENT OF OZONE
IN DI-WATER AT HIGH CONCENTRATIONS**



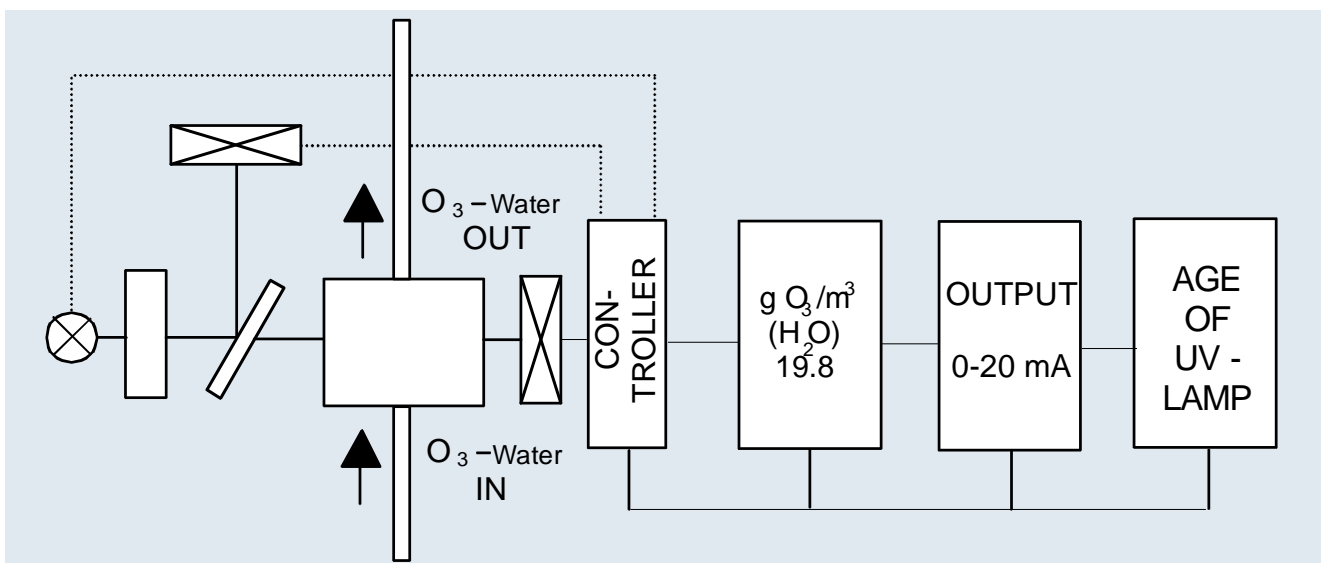
APPLICATION

measurement of dissolved ozone in aqueous solutions
DI- and RO- water systems as well as water purification systems
acid-containing (industrial) solutions (HF, H₂SO₄)
wet chemical processes in semiconductor processing

FEATURES

accurate ND-UV measurement principle
no disturbances of the measurements by presence of gas bubbles
in-line measurement without consumption of water
completely metal-free design, thus no contamination of the
DI-system by metal ions or metal particles

PRINCIPLE OF OPERATION



SPECIFICATIONS

WM-Cell (Splitbox)

principle:
NDUV-photometry by splitting one beam
of a low-pressure mercury vapor lamp

optics in quartz, optional sapphire
(e.g. for solutions containing HF)

PVDF enclosure with rinsing port
dimensions: 170 x 140 x 80 mm

weight: 7,6 kg

completely metal-free version;
wetted materials:
PFA, quartz (or sapphire), viton

range:
0.1 - 10.00
optional 0.1 - 50.00 g O₃ / m³ H₂O
0.1 - 100.0 (ppm w/w)

repeatability: min. 1% of full scale

water flow: 6.....1000 SLPH
connectors in PFA, 1/2 "

maximum pressure: 3bar (43.5psi) abs.

leakage detector (option)

cable: double shielded

compliance: CE

WM-PRO-Monitor

19" slide-in unit, shielded
dimensions:
130x 435x 365 mm (HxWxD)

display resolution: 0.01

noise: 0.1 %

internal power supply: 230 V / 60 Hz
optional: 115 V / 50 Hz

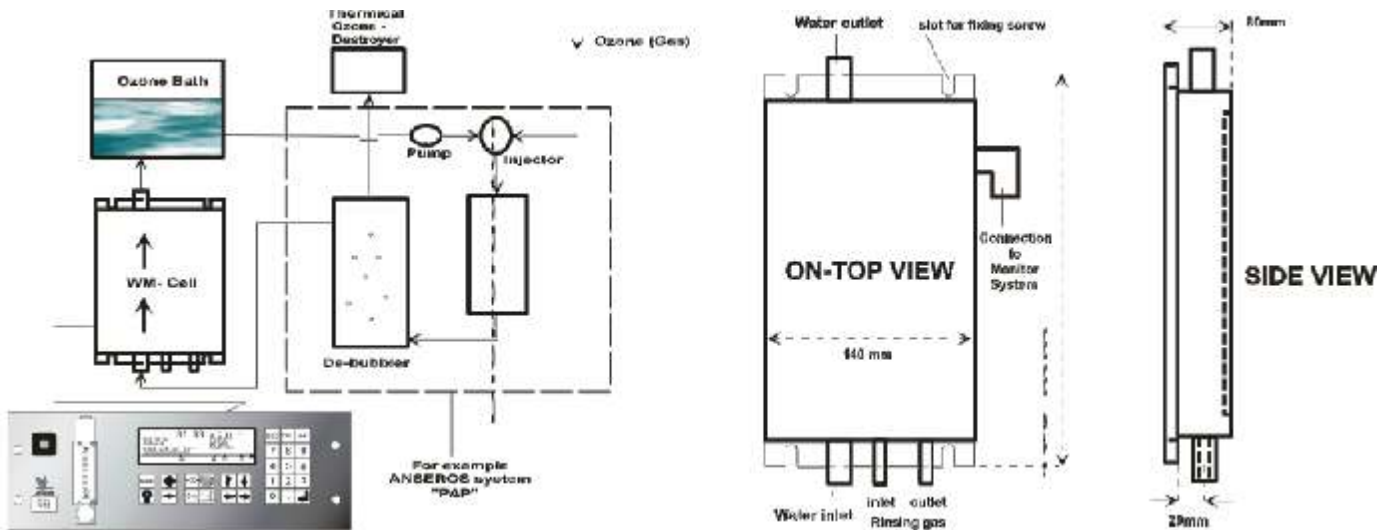
analogue signal output:
0/4 - 20 mA (100%)

weight: 8,5 kg

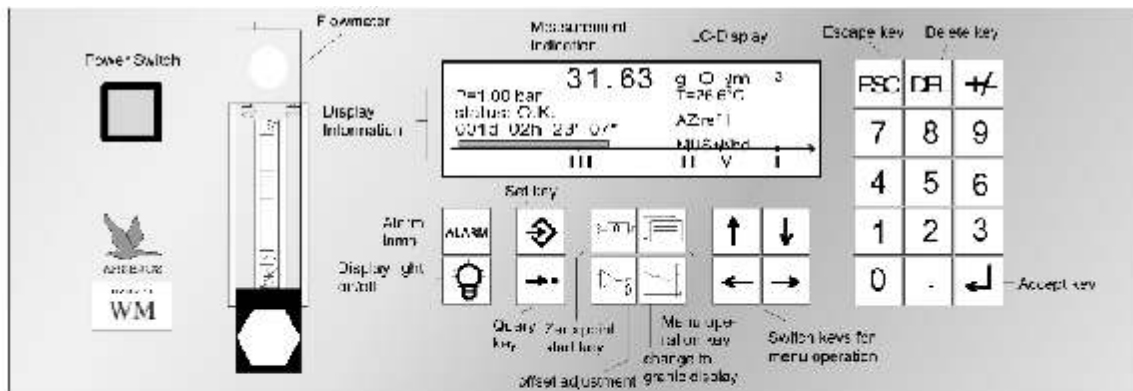
options:
remote autozero function
RS 232 interface, bi-directional
galvanically isolated analog output

TYPICAL (in-line) INSTALLATION

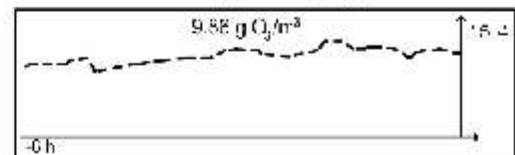
WM - CELL (PVDF- ENCLOSURE)



FUNCTIONAL ELEMENTS ON THE FRONT PANEL



Graphic Display



DISTRIBUTOR



MANUFACTURER



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