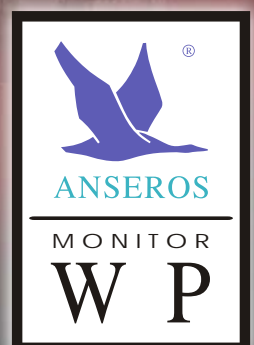
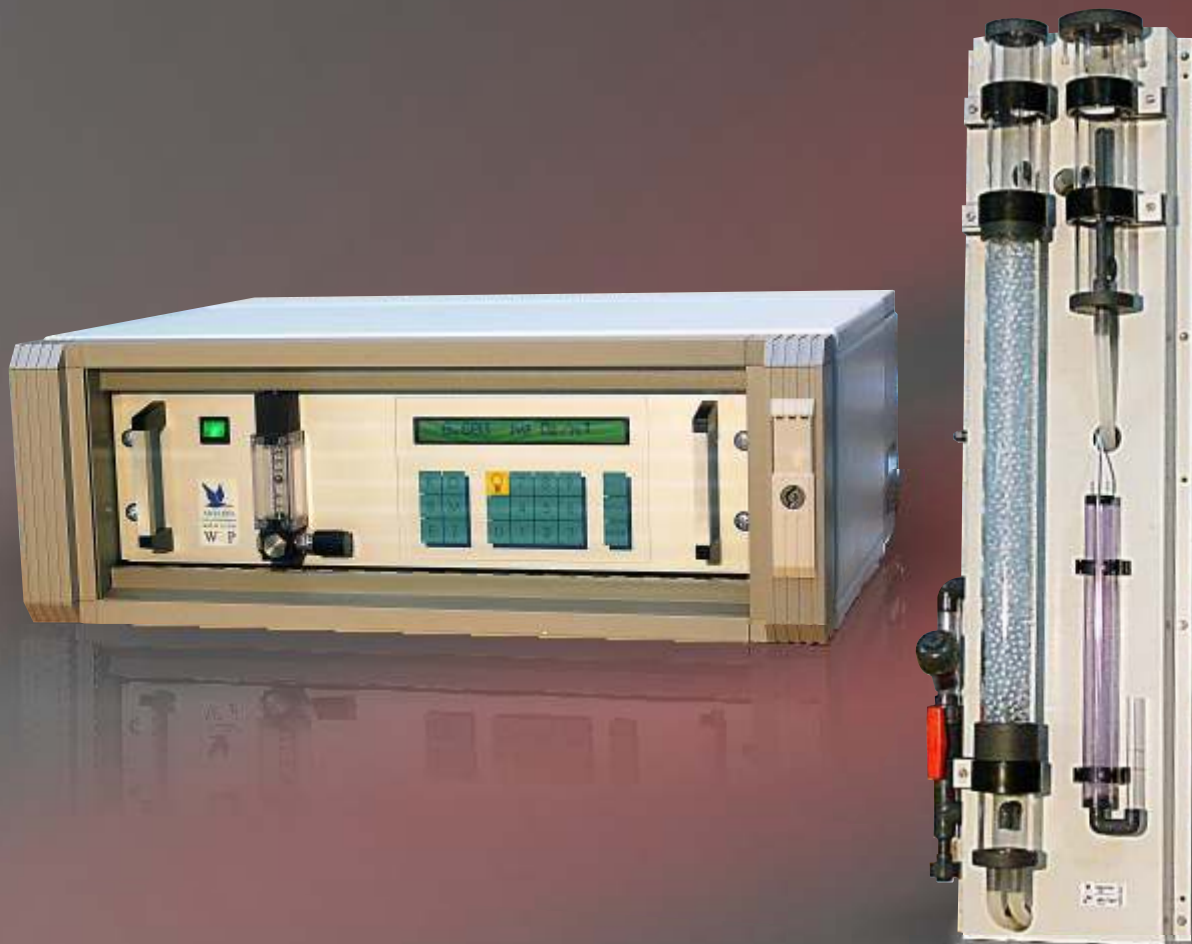


# OZONE WATER ANALYZER

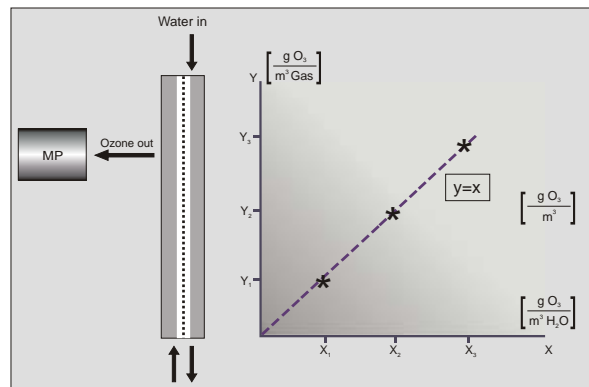
with desorber



## MEASURING PRINCIPLE MONITOR WP

The Ozomat WP is suitable for any kind of water and is used for process control. A small part of the ozone dissolved in the water is desorbed and detected very precisely in the photometer (MP). The desorption is linear with the concentration in the water. Sensitivity to changes of temperature and pressure is compensated. The MP unit is provided with a microprocessor (see also the technical description of the Ozomat MP).

The Ozomat WP detects even smallest residual ozone concentrations. Its stability assures minimal ozone requirements. That saves substantial energy in large water treatment plants and diminishes the cost of unneeded electrical power.



## FEATURES MONITOR WP

The patented monitor WP measuring process was developed by Anseros particularly for selective detection of low residual concentrations of ozone in water. It can be used advantageously for moderate and very high concentrations, even for concentrated ozone in water up to  $200 \text{ g O}_3/\text{m}^3 \text{H}_2\text{O}$ . It consists of a hydraulic section and a separate UV process photometer (MP). The WP principle is patented and approved by CEN. For solvents other than water, such as ammonia, hydrochloric acid, and methylene chloride, special application designs are available.

## SPECIFICATIONS

|  |  |
|--|--|
| <b>Measuring principle:</b>                    | Single-beam-photometer with desorber<br>(Patent: DE 41 19 346, US 5,334,536)   |
| <b>Measuring range:</b><br><b>(switchable)</b> | 0.001 - 1.999 $\text{mg O}_3/\text{m}^3 \text{H}_2\text{O}$ , 00.01 - 19.99 $\text{mg O}_3/\text{m}^3 \text{H}_2\text{O}$ , 000.1 - 199.9 $\text{mg O}_3/\text{m}^3 \text{H}_2\text{O}$<br>0.001 - 1.999 $\text{g O}_3/\text{m}^3 \text{H}_2\text{O}$ (2ppmw), 00.01 - 19.99 $\text{g O}_3/\text{m}^3 \text{H}_2\text{O}$ , 000.1 - 199.9 $\text{g O}_3/\text{m}^3 \text{H}_2\text{O}$ |
| <b>Sensitivity:</b>                            | 0.001 $\text{mg O}_3/\text{m}^3 \text{H}_2\text{O}$ (0.001 ppbw)   |
| <b>Zero drift:</b>                             | Automatically digitally autozeroed   |
| <b>Precision:</b>                              | 0.010 ppmv (< 1%)  |
| <b>Linearity:</b>                              | 99,8%  |
| <b>Concentration units:</b>                    | ppmw<br>ppbw   |
| <b>Display:</b>                                | 1 x 20 character, alpha-numeric, LCD   |
| <b>Water flow rate:</b>                        | 80 l / h   |
| <b>Analog signal:</b>                          | 0/4 - 20 mA  |
| <b>Digital signal:</b>                         | RS 232 (bi-directional)  |
| <b>Alarm signal:</b>                           | 4 x potential free change-over contact   |
| <b>Diagnostic signal:</b>                      | Internal diagnostic system with 6 error notifications & alarm  |
| <b>Sample ports:</b>                           | DN 10  |
| <b>Supply voltage:</b>                         | 110 / 240 VAC, 50/60 Hz  |
| <b>Approvals:</b>                              | CE, CEN / TR 14740, CEN / TC164, DIN 19627   |

DISTRIBUTOR



MANUFACTURER



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