



UV-1 OEM MODULE

The Ozone Photometer Module is designed for measurement and control of ozone in the range 0-200 ppm using a single beam UV photometer. It has a folded metal enclosure designed to be built into an ozone treatment system. The UV-1 offers advanced monitoring and control.



TYPICAL APPLICATIONS

- Ozone generator control
- Air purification systems
- Integration Module
- Ozone leak detection

SPECIFICATION

Calibrated range	0-200 ppm ozone
Precision	<±5% of reading above 0.2 ppm ±0.01 ppm below 0.2 ppm
Resolution	0.01 ppm
T90	<60 s
Sampling method	Brushless DC diaphragm pump
Sample flow rate	0.4±0.05 LPM
Inlet filter	5 µm pore size, 37 mm PTFE filter
Pneumatic connections	Kynar 6.25 mm (1/4") compression fittings
Wetted materials	Kynar, Teflon PFA, quartz, aluminium, Viton
Environmental operating conditions	
Temperature	0-40°C (32°F-104°F)
RH	0-95% RH (non-condensing)
Power requirements	24V DC, 2A
Digital interface	RS485 (2 wire), RS232 (communication protocol supplied)
Connectors	Screw
Enclosure	Folded aluminium 280 x 120 x 90 mm; 11 1/32 x 4 23/32 x 3 35/64 in
Software	RS232 datalogging software supplied
Outputs	0-5 V analog output, 12 bit

BENEFITS

- Capable of remote sampling due to integrated pump
- UV technology for improve measurement accuracy and stability
- Designed for integration into existing ozone treatment system
- Wide ozone measurement range
- Flexible uses due to wide range of outputs
- Low maintenance requirements





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ORDERING INFORMATION

Included

UV-1 UV photometer module
0-5 V analog output
RS485 digital output
5 microns, hydrophobic inlet filter

Features

Wide measurement range of ozone (0-200 ppm)
Single-beam UV photometer
Pump sampling via PTFE tubing (e.g. monitoring outside of a room or duct)
Digital RS485 output (2 wire) or RS232
Custom configuration upon request

Elektravägen 53
SE-126 30 Hägersten, Sweden
+46 8 714 07 00
www.ozonotech.com