



Ozone Sensor

Model No: C/O3-500-MC

Ozone | Temperature | Humidity

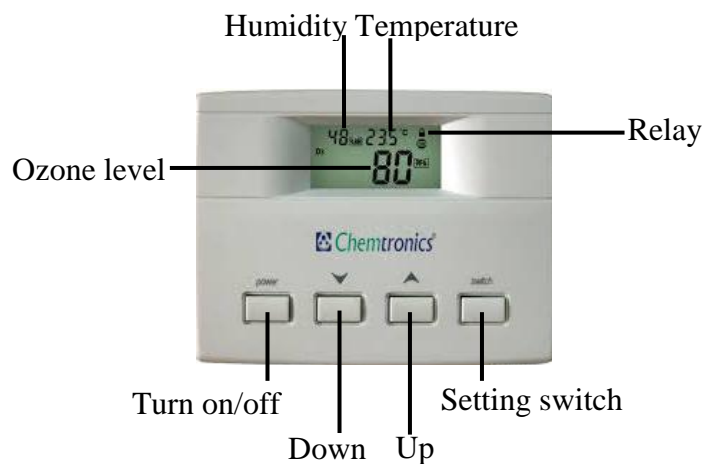
Monitor | Display | Control

Catalogue

Features

1. Real time continuous ambient ozone gas detection
2. High sensitivity semi-conductor ozone sensor
3. Ozone measurement range : 10ppb to 500ppb (0.01ppm – 0.5ppm)
4. Humidity & Temperature detection
5. Temperature range : 5°C to 50°C
6. Relative humidity range : 0% - 80%
7. Online automatic ozone compensation w.r.t temperature & % relative humidity
8. Onsite zero calibration
9. Potential face contact to control exhaust fan or ozone generator
10. RS 485 Modbus interface, with 15KV antistatic protection
11. Option O – 10VDC analog output for ozone measurement
12. Wall Mounted
13. CE- certified

Buttons and LCD



Specifications

Gas detected	Ozone gas
Sensing element	Semiconductor gas sensor
Warm up time	96hours(first time) 1 hour(operation)
O3 Measuring range	10-500ppb (0.01~0.5ppm)
Display resolution	1ppb
O3 Measuring precision	±10ppb + 20% reading @ 10-35°C/20~80%RH
Temperature measurement range	5~50°C(41~122°F)
Humidity measurement range	0~80%RH
Relay output (option)	One dry contact output to control an ozone device or a ventilation device rated switching current 2A resistance load
RS485 interface	Modbus protocol with 19200bps. 15KV antistatic protection, independent base address
Operation conditions	5~50°C/0~80%RH
Storage conditions	non-condensing
Net Weight	260g
Dimensions	120mm X 90mm X 24mm
Wiring standard	Wire section area <math>< 1.5\text{mm}^2</math>
Power supply	24VAC/VDC
Approval	CE-Approval
Life time of ozone sensor	More than 3 years
Temperature sensor	NTC
Humidity sensor	HS series capacitive sensor
Analog output (option)	0~10VDC linear output
Output resolution	10Bit