Chemtronics®

VOC Sensor

Model No: C/VOC-30-MC

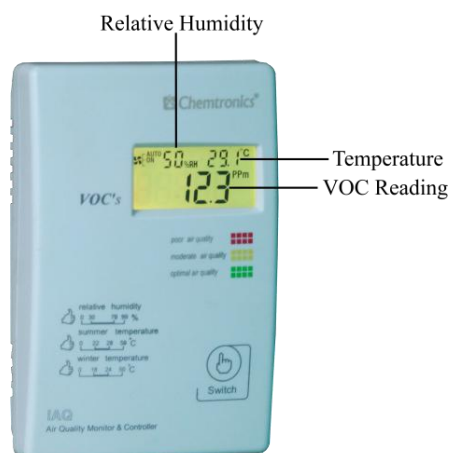VOC | Temperature | Humidity

Monitor |Display | Control

Catalogue

Features

- Real time continuous VOC detection and alarm
- Humidity and Temperature detection
- Buzzer alarm andTri-color backlit LCD
- Provide 1xon/off output to control a ventilator
- RS485 Modbus interface, with 15 KV antistatic protection
- 5 years life of the semiconductor mix gas sensor
- Potential free contact to control ventilator
- VOC measured range:
  - 1-12 ppm   Green   – optimal air quality
  - 12-20 ppm   Orange – moderate air quality
  - 20-25 ppm   Red   – poor air quality
- Temperature range : 5°C to 50°C
- Relative Humidity range : 0% to 80%
- High Sensitive to Indoor Contaminative gases and VOC
- Wall mounted
- CE – Certified
- Gas Detection: cigarette smoke, VOC's such as formaldehyde and toluene, ethanol, ammonia, hydrogen sulfide, sulfur dioxide and other harmful gases.
- Elegant appearance and high quality techniques
- Selectable 24 V AC/DC or 220 V AC power
- Available with power adaptor

Buttons and LCD

Specifications

Gas detection	Highly sensitive to many harmful gases, such as harmful gases from constructionand decoration materials, VOCs (like toluene and formaldehyde); Cigarette smoke; Ammonia and H2S and other gases from household wastes; CO, SO2 from cookingand burning; Alcohol, Natural gas, detergent and other bad smells etc.
Sensing element	Semiconductor mix gas sensor of long working life and good stability
Warm up time	72 hours (first time), 1 hour (normal operation)
VOC measuring range	1～30ppm (1ppm= 1 part per million)
Display resolution	0.1ppm
VOC setting resolution	0.1ppm
Temperature measuring range	0~50℃
Humidity measuring range	0 -95%RH
Output	1xRelay output to control a ventilator or air-purifier, max current 3A resistance （220VAC）
RS485 interface (option)	Modbus protocol with 19200bps
Operation condition	-20℃~60℃ (-4°F~140°F)/ 0~95%RH
Storage condition	0℃~50℃ (32°F~122°F)/ 5~95%RH
Net Weight	190g
Dimensions	130mm(L) X 85mm(W) X 36.5mm(H)
Installation standard	Desktop or Wall mount (65mmX65mm or 85mmX85mm or 2"X4" wire box)
Wiring standard	Wire section area <1.5mm^2
Power supply	24VAC/VDC, 230VAC
Certificate	CE
Signal update	1s
Sensing element	NTC 5K
Accuracy	±0.5℃ (25℃, 40%-60%RH)
Display resolution	0.5℃
Stability	±0.5℃per year
Warning alarm	Inner buzzer alarm and also three colors backlit switch as well
Buzzer alarm	Alarm starts when VOC value above 25ppm
LCD backlit	Green—optimal air quality ► enjoy the air quality Orange—moderate air quality ► ventilation suggested Red—poor air quality ► ventilation immediately
Consumption	2.8W
Quality System	ISO 9001
Housing	PC/ABS fire-proof, IP30 protection