



# SERIES 300

The Series 300 monitor is a versatile monitor with the ability to accurately measure multiple target gases at different concentrations in indoor and outdoor applications. Able to control outputs and with built-in high and low alarms the Series 300 can function in both fixed and portable mode, offering users maximum flexibility.



## TYPICAL APPLICATIONS

- Ozone process control
- Personal exposure monitoring
- Source and leak detection
- Health and safety monitoring

## SPECIFICATION

Measurement units	Gas: ppm or mg/m <sup>3</sup>   Humidity: %   Temperature °C or F
Reading functions	Instant, minimum, maximum, average
Sensor head	Interchangeable, replaceable, refurbish-able
Display type	LCD
Alarm features	Low alarm, high alarm, mute (configurable)
Display status indicators	Alarm, battery, sensor, standby
External signal functions	Low alarm, high alarm, control (150 mA max)
Sensor calibration features	Zero calibration, span calibration
Analog output	0-5 V
Power supply	12 V DC (power adaptor/charger supplied 100-250 V AC)
Rechargeable battery	Lithium polymer 12 V DC   2700 mA/h (2 hr charge time / 8 hr run time)
Enclosure material and rating	PC and ABS; IP20 and NEMA 1 equivalent
Size (with sensor head)	195 x 122 x 54 mm; 7 5/8 x 4 3/4 x 2 1/8 in
Weight (with sensor head and battery)	< 460 g; < 16 oz
Environmental operating conditions	Temperature: -5 °C to 45 °C (23°F to 113°F); Humidity: 0 to 95% non-condensating
Temperature & Humidity sensor	Range -40°C to 124°C (-40°F to 255°F); Range 0 to 100% RH
Approvals	Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992

## BENEFITS

- Very easy to use
- Fits comfortably in the hand
- Lithium battery allows a full eight hours in the field
- Audible alarm to notify ozone exceedences
- One monitor to measure 4 ranges of ozone
- Analogue output to control external devices e.g. ozone generator
- Changing sensors takes seconds and can be done anywhere
- Recalibrate sensor in the field or by returning to the factory
- Large display gives min., max. and average readings





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## ORDERING INFORMATION

### Included

Monitor base  
LCD digital display  
Lithium battery and charger  
Zero and span adjustment  
Low and high alarm  
0-5 V output

### Features

External control outputs  
High and low alarms  
Interchangeable gas sensor heads  
Easy to use and maintain  
Power adaptor/charger included  
Remote sensor capability  
Temperature and RH sensor optional (plug and play)

### Sensors heads available for

Ammonia (NH<sub>3</sub>)  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)  
Hydrogen (H<sub>2</sub>)  
Hydrogen sulphide (H<sub>2</sub>S)  
Methane (CH<sub>4</sub>)  
Nitrogen dioxide (NO<sub>2</sub>)  
Non methane hydrocarbon (NMHC)  
Ozone (O<sub>3</sub>)  
Sulphur dioxide (SO<sub>2</sub>)  
Volatile organic compounds (VOC)  
Multi-sensor head: VOC / CO / CO<sub>2</sub> or CO / CO<sub>2</sub>

### Optional accessories

Remote sensor kit  
Spare battery  
Car adaptor  
Wall bracket  
Carry case

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