

Series 300

Portable Gas Monitor

The Series 300 monitor from Aeroqual 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.



- 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)

Specifications

Measurement units	Gas: ppm or mg/m ³ 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 (150mA max)
Sensor calibration features	Zero calibration, Span calibration
Analog output	0-5V
Power supply	12V DC (power adaptor/charger supplied 100-250V AC)
Rechargeable battery	Ni-MH 9.6V DC 2100mA/h or Lithium 11.1V DC 2700mA/h
Enclosure material and rating	PC and ABS; IP20 and NEMA 1 equivalent
Size (with sensor head)	195 x 122 x 54 (mm); 7 7/8 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 ; Humidity: 0 to 95% non-condensing
Optional accessories	Remote sensor kit, spare battery, car adaptor, wall bracket, carry case
Temperature & Humidity sensor (optional)	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

Sensor Heads and Accessories



Sensor heads are available for these gases:

- Ammonia (NH₃)**
 - Carbon dioxide (CO₂)**
 - Carbon monoxide (CO)**
 - Hydrogen (H₂)**
 - Hydrogen sulphide (H₂S)**
 - Methane (CH₄)**
 - Nitrogen dioxide (NO₂)**
 - Non methane hydrocarbon (NMHC)**
 - Ozone (O₃)**
 - Sulphur dioxide (SO₂)**
 - Volatile organic compounds (VOC)**
 - Multi-sensor head: VOC / CO / CO₂ or CO / CO₂**
- See *Sensor Specifications* datasheet for details