

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