



Technical specification

Gases measured	Up to five gases – NO, NO ₂ , O ₃ (standard), CO (optional), SO ₂ (optional)		
Other measured parameters	Pod temperature, atmospheric pressure, relative humidity		
Measurement range	NO	0 to 2,000 ppb	
	NO ₂	0 to 200 ppb	
	O ₃	0 to 200 ppb	
	CO	0 to 5,000 ppb	
	SO ₂	0 to 10,000 ppb	
	Pod temperature	-20 to 100 °C	
	Pressure	500 to 1500 mb	
	Humidity	0 to 100 %RH	
Performance	Parameter	#1Limit of detection	#2Accuracy (in standard test conditions)
	NO	< 3 ppb	± 5 ppb
	NO ₂	< 5 ppb	± 5 ppb
	CO	< 5 ppb	± 5 ppb
	#3O ₃	< 5 ppb	± 10 ppb
	SO ₂	< 5 ppb	± 10 ppb
	Pod temperature	0.1 °C	± 2 °C
	Pressure	1mb	± 5mb
Humidity	1%RH	± 5 %RH	
Sensor life	Up to 2 years		
Power	Primary Lithium metal batteries#4 Up to 2 years operation (depending on measurement strategy)		
Communications	GPRS, multi-band worldwide operation		
Physical	Enclosure	Polyurethane moulded	
	Approx.Size	L150xW180xH200mm (not inc. antenna 180mm)	
	Weight	<2Kg	
	Protection	IP65	
Environmental	Temperature range: -20 to +40 DegC #5Humidity range: 15 to 85% RH		
Mounting	Various mounting accessories available.		
Measurement period	Variable, user settable from 1 minute to 30 minutes		
Server software	RAW data sent to remote server AQMesh.net facilities: Web browser based, processing of RAW data to give true concentration, database storage on secure server, data access – tables, graphs, data download (.CSV), multi-user access, password controlled		

Product designs and specifications are subject to change without prior notice. The user is responsible for determining the suitability of the product.

#1 From sensor manufacturer's specification.

#2 Accuracy is what the sensors are capable of producing given stable temperature and humidity. This data was derived from independent lab tests. Standard test conditions are 20 deg C and 80% RH and in the absence of interfering gases.

#3 The O₃ reading is achieved using digital signal processing which requires a certain number of data points to give results that are comparable to the industry standard reference equipment. This will result in a straight line projected forward for the last section of processed O₃ data. This data is retrospectively corrected as new data is delivered.

#4 Subject to carrier restrictions on dangerous goods.

#5 Electrochemical sensors carry a 12 month warranty. Exposure to relative humidity in excess of 85% for five or more days as validated by the on-board sensor will void the warranty.