



AIRQUAL-1[®] Breathing Air Quality Test Kit

The **AIRQUAL-1 Breathing Air Quality Test Kit** is designed to provide stand alone compliance of **AS 1715-2009 Appendix A & BS EN12021** legislation. This comprehensive breathing air quality test kit is compact, easy to operate and can be used to indicate the level of contamination, as well as, operating flow, temperature and pressure. **On-The-Spot Measurement**, Instant Results Sampling of compressed air is fast, with the ability to process results in less than minutes. **Concentrations of carbon monoxide, carbon dioxide, oxygen and oil & mist** can be determined almost instantly without further lab analysis.



Free from Power—Works anywhere ! With everything you need contained in one convenient, lightweight aluminium case and free from power, the **AIRQUAL-1** is suitable for a variety of applications. In addition to the detection of the compressed air contaminants, **AIRQUAL-1** also features an oxygen analyser allowing for constant real-time display of the oxygen content within the compressed air system.

AS1715-2009 and BS EN12021 APPROVAL • **Oxygen:** 21% (+/-1%) • **Carbon Dioxide:** Not More Than 500ppm • **Carbon Monoxide:** Not More Than 15ppm • **Oil Mist/Vapour:** Not More Than 0.5mg/m³ • **Odour/Taste:** Without significant Odour or Taste • **Water (Liquid):** Air for compressed air line breathing apparatus shall have a dew point sufficiently low to prevent condensation & freeing. Where apparatus is used and stored at a known temperature pressure dew point shall be at least 5°C below the likely lowest temperature. Where conditions of usage and storage of the air is not known the pressure dew point shall not exceed -11°C.

Measuring Ranges

GAS	Part Number	Range	Sample time (min)
Carbon Monoxide	GAS1A	5-50ppm	3
Carbon Dioxide	GAS2A	250-3000ppm	5
Carbon Dioxide	GAS2AG	200-3000ppm	1.5
Water Vapour	GAS6AH	500-5000ppm	1
Water Vapour	GAS6A	30-80mg/m3	10
Water Vapour	GAS6AG	150-3000mg/m3	1
Oil Mist	GAS109A	0.3-1.5mg/m3	60
Oil Mist	GAS109AD	0.2-5mg/m3	20

Kit Contents

Calibration flow meters	Tube breaker & receptacle
1/4" Female BSP Connection	4 packs of Airtec tubes - kit comes as standard with highlighted tubes
Stopwatch	O2 Gas detector

Key Features



Performances

Maximum inlet pressure: 10bar - Analysis operating pressure: 1bar

Maximum inlet temperature: 40°C - Minimum inlet temperature: 5°C

Air flow rate at outlet: 100 - 5000cc/min



The AIRQUAL-1 is a complete compliance test kit for easy, immediate testing of compressed air.

- ↪ Ensures full compliance with AS 1715-2009 and EN12021
- ↪ Onsite customer calibration function
- ↪ No downtime
- ↪ No batteries or power source required
- ↪ Low Cost Testing
- ↪ On the spot simultaneous measurement of 5 components
- ↪ No additional equipment required
- ↪ Rugged design and Lightweight

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