



AIRQUAL-1

Breathing Air Quality Test Kit

The AIRQUAL-1 Breathing Air Quality Test Kit is designed to provide stand alone compliance of 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.

KEY BENEFITS

- Ensures full compliance with EN12021
- Low cost testing - £13 per test
- On-site customer calibration function
- No downtime
- No batteries required
- Rugged design - Housed in a protective aluminium casing
- Lightweight – Only 4kg
- No additional equipment required

GASES ANALYSED



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, including offshore oil rigs and on-site visits.

In addition to the detection of the compressed air contaminants listed, AIRQUAL-1 also features an oxygen analyser allowing for constant real-time display of the oxygen content within the compressed air system

“ The AIRQUAL-1 is supplied complete for easy, immediate, testing of compressed air ”

TECHNICAL SPECIFICATION

GENERAL

- Rated up to 10 bar g
- One year warranty on GasBadge Plus
- Customer adjustable flow rates

KIT CONTENTS

- Calibration flow meters
- 1/4" Female BSP Connection
- Stopwatch
- Tube breaker & receptacle
- 4 packs of Airtec tubes
- O2 Gas detector

PHYSICAL

- Dimensions: 390mm (L) x 290mm (W) x 160mm (H)
- Weight: 4kg
- Hose connections: 1/4" BSP Female

PERFORMANCE

- Maximum inlet pressure: 10 bar g (145 PSI)
- Analysis operating pressure: 1 bar g (14.5 PSI)
- Maximum inlet temperature: 40°C (104°F)
- Minimum inlet temperature: 5°C (59°F)
- Air flow rate range at outlet: 100 - 5000 cc/min

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

Measured Gas / Vapour	Part Number	Range	Sample Time (minutes)	Flow ml/min	Price
Carbon Monoxide	GAS1A	5-50ppm	3	100	£33.45
Carbon Dioxide	GAS2A	250-3000ppm	5	100	£33.45
Carbon Dioxide	GAS2AG	200-3000ppm	1.5	100	£33.45
Water Vapour	GAS6AH	500-5000ppm	1	300	£33.45
Water Vapour	GAS6A	30-80mg/m ³	10	100	£33.45
Water Vapour	GAS6AG	150-3000mg/m³	1	300	£33.45
Oil Mist	GAS109A	0.3-1.5mg/m ³	60	1000	£33.45
Oil Mist	GAS109AD	0.2-5.0mg/m³	20	1000	£33.45
Oxygen	18100050-3	0 - 30%	n/a	50	£65.00

KIT COMES AS STANDARD WITH HIGHLIGHTED TUBES - Please contact us if you require an alternative to the tubes provided

11 Ark Royal Way, Lairdside Technology Park, Tranmere, Wirral, CH41 9HT

T: +44(0)151 666 8300 F: +44(0)151 666 8329 E: sales@a1-cbiss.com

W: www.a1-cbiss.com Buy Online: shop.a1-cbiss.com



GAS DETECTION & ANALYSIS