

Drymec

Quality air testing

The Drymec air quality tester has been designed to fully comply with the EN12021 legislation for the testing of compressed breathing air. The unit allows for a convenient on the spot measurement of compressed air quality. This comprehensive test kit is compact, easy to operate and can be used to indicate the level of contamination operating flow, temperature and pressure. It is supplied complete with oil mist, water vapour, CO and CO₂ test tubes to allow immediate multiple testing.

In addition to the detection of compressed air contaminants listed above, the Drymec air quality tester also features an oxygen analyser allowing for constant real-time display of the oxygen content within the compressed air system.



Measures

In Line Flow, Pressure, Temperature
RH
O₂
Oil Mist
CO₂
CO
H₂O
Ambient Temperature

Features

Robust aluminium case
Lightweight only 4kgs
Rated up to 10 bar g
Calibration flow meters
¼" BSP connection
Stopwatch
Tube breaker & receptacle
Customer adjustable flow rates

Benefits

Low cost tubes, £13 per test
No additional equipment required
On-Site calibration function
No downtime
No batteries required

Specification

Maximum Inlet Pressure	10 bar g (145 psi g)
Analysis operating pressure	1bar g 14.5 psi g)
Maximum inlet temperature	40°C (104°F)
Minimum inlet temperature	5°C (59°F)
Flow accuracy	±4% outlet
Air flow rate range at outlet	30 - 2500 cc/min
Hose connections	¼" BSP Female
Approved detector tubes	Gastec airtec tubes
Weight	4kg
Measurements	390mm (L) x 290mm (W) x 160mm (H)

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Gases

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

Substance

Standards (BS EN12021)

Oxygen	21% (+/-1%)
Carbon Dioxide	Not More Than 500ppm
Carbon Monoxide	Not More Than 15ppm
Oil Mist/Vapour	Not More Than 0.5mg/m ³
Odour/Taste	Without Significant Odour or Taste
Water (Liquid)	There Should Be No Free Water

Water (Vapour) Air for compressed air line breathing apparatus shall have a dewpoint sufficiently low to prevent condensation & freeing. Where apparatus is used and stored at a known temperature pressure dewpoint 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 dewpoint shall not exceed -11°C.

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