

2Ag

GASTEC AIRTEC CARBON DIOXIDE TUBE

1. General:

The AIRTEC Tube No. 2Ag provides the measurement of the concentration of CARBON DIOXIDE in compressed air utilizing the SAFE-AIR TESTER supplied by Factair Ltd.

2. Performance:

Measuring Range:	200—3,000 ppm
Calibration Range:	200—3,000 ppm
Colour Change:	Pale Blue → Purple
Sampling Volume:	150 ml
Sampling Rate:	100 ml per minute
Sampling Time:	1.5 minute
Shelf Life:	3 years

3. Measurement Procedure:

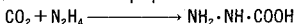
1. Connect the Tube 2Ag to SAFE-AIR TESTER of Factair Ltd.
2. Then pass the sample air for required time.
3. Be careful that the sample air flow rate should be set at 100 ml/min. The sample flow rate should be measured at the outlet of the AIRTEC Tube No. 2Ag.
4. Sample the air for 1.5 minute by stop watch.
5. After the sampling, read concentration at the interface of the highest stained reagent coloured purple.

4. Correction for Temperature and Humidity:

No correction is required for tube temperature of 0—40°C (32—104°F).

5. Detection Principle:

Carbon dioxide reacts with hydrazine to form carbonic acid monohydrazide, which discolors redox indicator to purple.



6. Interferences:

<u>Interferents</u>	<u>Concentration</u>	<u>Result</u>	<u>Comment</u>
Ammonia	1,000 ppm	No effect	
Sulfur Dioxide	100 ppm	No effect	
NO ₂ , HCl, Cl ₂	300 ppm	No effect	

SEE OPERATING INSTRUCTIONS INCLUDED WITH THE SAFE-AIR TESTER KIT.

Manufacturer: Gastec Corporation
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Printed in Japan