

GASTEC Instructions for No. 6AH Water Vapour Airtec Tube

FOR SAFE OPERATION :

Read this manual and the instruction manual carefully.

⚠ CAUTION : If not observed, injuries to the operator or damage to the product may result.

1. When breaking the tube ends, keep away from eyes.
2. Do not touch the broken glass tubes, pieces and reagent with bare hand(s).

△ NOTES : For maintaining performance and reliability of the test results.

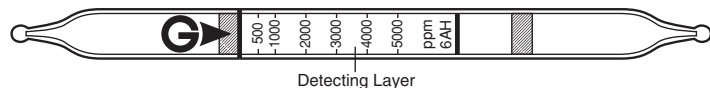
1. Use this tube within the temperature range of 0 - 40°C (32 - 104°F).
2. Shelf life and storage conditions of the tube are marked on the label of the box of tube.

APPLICATION OF THE TUBE :

Use of this tube for the detection of Water Vapour to your high pressure air source, compressor, cylinder, or air line and adjust the flow metre to the required setting.

SPECIFICATION :

(As a result of Gastec's commitment to continued improvement, specifications are subject to change without notice.)



Measuring Range	500 – 5,000 ppm
Sampling Volume (Flow Metre)	300 mL
Sampling Rate	300 mL / min.
Sampling Time	1 minute
Colour Change	Green → Purple
Reaction Principle	$\text{H}_2\text{O} + \text{Mg}(\text{ClO}_4)_2 \rightarrow \text{Mg}(\text{ClO}_4)_2 \cdot \text{H}_2\text{O}$

****Shelf Life: Please refer to the Validity Date printed on the box of tube.**

****Store the tubes in dark and cool place.**

CORRECTION FOR TEMPERATURE, HUMIDITY AND PRESSURE:

Temperature : No correction is required.

MEASUREMENT PROCEDURE :

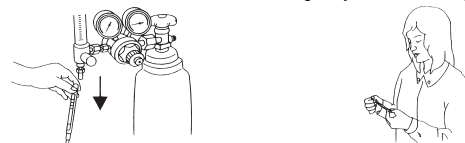
1. Install a reducer pressure with gauge and flow metre to a cylinder, compressor or air line and adjust the flow metre to the required setting.
2. Break tips off a fresh detector tube in the tube tip breaker and insert a tube into a tube holder.



3. Attach the rubber tube holder to the flow metre outlet. Make certain the tube arrow (**G**) on the tube is pointing in the outlet end.
4. Turn on the cylinder or compressor and confirm the flow metre according to each Airtec tube specifications.
5. Time the flow rate with a stopwatch.



6. As soon as sampling time has elapsed turn off the cylinder or compressor, and remove the tube from the tube holder and then read the colour change layer immediately.



If the stain length reaches the maximum calibration mark during sampling, stop pressure reducer operation and correct the reading value by below.

$$\text{True concentration (ppm)} = \frac{\text{Tube Reading} \times 300}{\text{Sampled volume (mL)}}$$

DISPOSAL INSTRUCTION :

Reagent of the tube does not use toxic substances. When dispose of the tube regardless of whether used or unused, follow the rules and regulations of the local government.

WARRANTY :

If you have any questions regarding gas detection and quality of the tubes, please feel free to contact your Gastec representatives.

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Printed in Japan
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