



INSTRUCTION MANUAL
HYDROGEN SULPHIDE
GENERATION TUBE

296HA

READ THIS INSTRUCTION MANUAL CAREFULLY AND THE INSTRUCTIONS OF THE ASPIRATING PUMP PRIOR TO USING THIS PRODUCT.
DON'T DISCARD THIS INSTRUCTION MANUAL UNTIL ALL THE TUBES IN THIS BOX ARE USED UP.

▲CAUTION FOR SAFETY

- 1) SAFETY GLASSES AND GLOVES SHOULD BE WORN TO PREVENT INJURY FROM SPLINTERING GLASS.
- 2) DON'T TOUCH GENERATING REAGENT DIRECTLY AS IT CONTAINS SMALL AMOUNT OF CHEMICALS.
- 3) KEEP THE TUBES OUT OF THE REACH OF CHILDREN.

▲CAUTION FOR USE

- 1) DON'T BREATHE HYDROGEN SULPHIDE. WHEN SUBJECTIVE SYMPTOM SUCH AS GIDDINESS DUE TO BREATHING HYDROGEN SULPHIDE, CONSULT A DOCTOR IMMEDIATELY.
- 2) STORE TUBES IN A COOL AND DARK PLACE(0 -25 / 32-77 F), AND USE BEFORE EXPIRY DATE PRINTED ON TOP OF THE BOX.
- 3) A PIECE OF GENERATION TUBE IS USABLE ONE TIME ONLY.

INFLUENCE TO BODY

When getting on an acute poisoning, headache, trouble walking, low blood pressure, etc. will be caused. In case serious condition, unconsciousness or paralysis in breathing may bring death. Its accumulation in the body is small and it would seem that chronic poisoning is an accumulation of influence of sub-acute operation. There are trouble of eyes, stomach trouble, etc. as symptoms.

CONCENTRATION & OPERATION

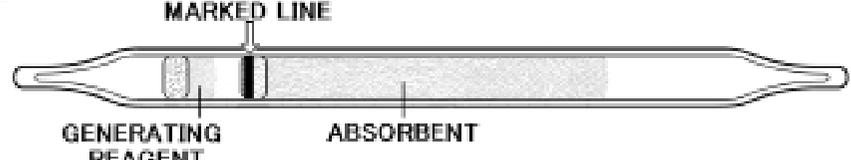
CONCENTRATION (ppm)	OPERATION
0.3	Feel bad smell clearly.
5	Unpleasant feeling.
10	Feel stimulation of eyes.
50	Stimulate trachea and obstacle occurs.
100	If exposed for long time, heavy poisoning is brought.
250~450	Come to dangerous condition of life after lapse of 1-8 hours.
600	After lapse of 30 minutes, fatal acute poisoning is brought.
800	Immediately, fatal acute poisoning is brought.

Reference book; Danger of Chemicals · Harmful Substance Handbook
(Issued by Japan Industrial Safety and Health Association)
The third edition; The first printing ISBN 4-8059-0391-0 C3043

USE

This generation tube is used for calibration of hydrogen sulphide detector.

SPECIFICATIONS



GENERATING SOLUTION	Water (H ₂ O)
GENERATION CONCENTRATION	20-40ppm approx.
FLOW RATE (ℓ/min)	0.5-2.0 approx.
FEEDING AMOUNT (ℓ)	5.0 approx.
ADOPTABLE DETECTOR TUBE	Tube No.120SB
GENERATION PRINCIPLE	Absorbing reagent absorbs water and acid is generated, then the acid reacts on celecium sulphide is produced.

GENERATION CONCENTRATION EXPRESSES IN CASE OF 5ℓ OF FEEDING AMOUNT OF AIR.
CONCENTRATION DEPENDS ON FEEDING AMOUNT OF AIR.

OPERATION

Break both ends of generation tube with built-in tip cutter on gas aspirating pump, or with tip cutter attached to calibration gas set.
Absorb water to the marked line on generating solution tube with soaking ① side printed on it.

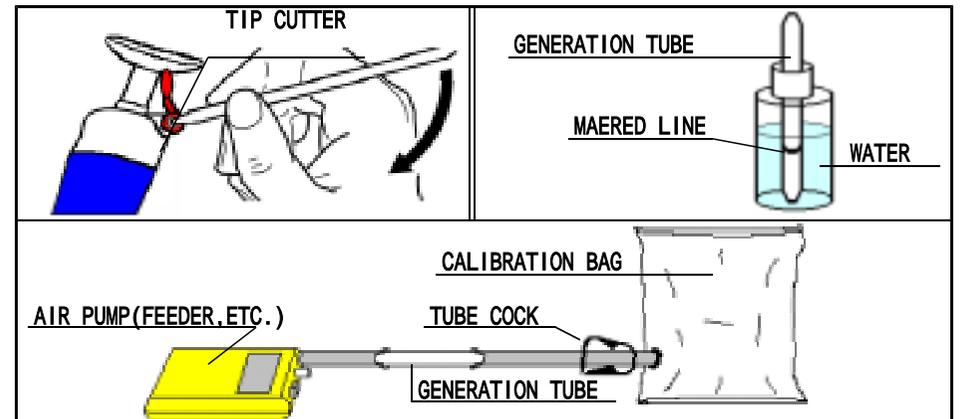
Take out generation tube from generating solution, and wipe off water drop on the surface of generation tube with paper towel, etc.

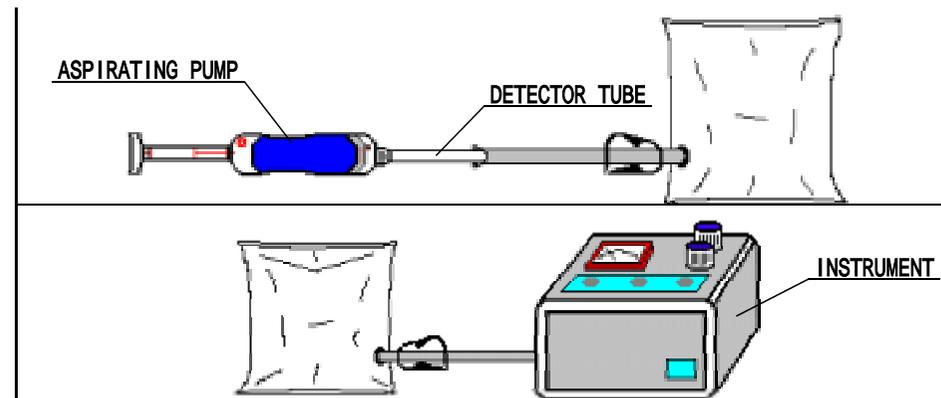
After inserting the ① side of generation tube into air feeding side (EXHAUST) of air pump (Feeder, etc.) until bag is inflated of the bag for calibration with tube cock.

Operate air pump (Feeder, etc.) until bag is inflated completely, then stop inlet of the bag for calibration with tube cock.

Connect detector tube No.120SB Hydrogen sulphide with the bag for calibration, and confirm concentration inside the bag.

After confirming concentration inside the bag, complete calibration of instrument within 30 minutes.





DISPOSAL OF TUBE

This detector tube does not include hazardous substance.
Dispose of them as "rubbish of glass and of ceramics" in general wastes or industrial wastes.

SPECIFICATIONS & APPEARANCE ARE SUBJECT TO CHANGE WITHOUT ANY PREVIOUS NOTICE FOR IMPROVEMENT OF PERFORMANCE.

PLEASE FEEL FREE TO HAVE A CONTACT WITH US IF YOU HAVE ANY QUESTION AGAINST PRODUCTS OR GAS MEASUREMENT.

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