

AMMONIA LENGTH-OF-STAIN DETECTOR TUBES

(Type SA)

(Direct Reading Type)

PERFORMANCE:

Measuring Range:	0.5 – 10%
Sampling Time:	1.5minutes (1pump stroke)
Color Change:	Pink – Gray-Yellow
Detectable Limit:	400ppm
Storage Condition:	In a cool and dark place, not to exceed 25°C (77°F)

\* FLOW CONTROL ORIFICE SHOULD NOT BE USED WITH THIS TUBE.

SAMPLING AND MEASUREMENT:

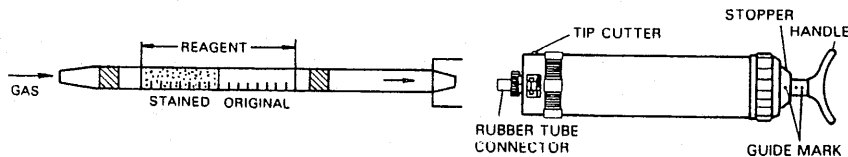


Fig. 1

1. Break both ends of a new detector tube by using the tip cutter, and insert the tube end securely according to the direction of printed arrow mark into the rubber tube connector as shown in Fig. 1.
2. Align the guide marks (red dots) on the shaft and stopper of the pump. Pull the handle at a full stroke and wait for 1.5 minutes. (In case of using the previous Model 400, turn the handle by 1/4 to lock after pulling it.)
3. Remove the detector tube from the rubber tube connector on the completion of sampling. A reading can be obtained directly from the scale printed on the detector tube.

SPECIAL NOTE:

When the top of the discoloured layer is made obliquely, read the concentration at the centre between the longest and the shortest points of the discoloured layer. The total stain length should be read, even if the stained layer gets multi-colour variations.

TEMPERATURE CORRECTION:

No temperature correction is necessary at the temperature of 0°C (32°F) to 40°C (104°F).  
Relative humidity, no need for correction.

INTERFERENCES:

Amines produce a similar stain and give higher readings.

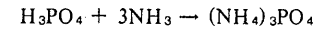
HAZARDOUS AND DANGEROUS PROPERTIES OF AMMONIA:

T.L.V. ♦: 25ppm

Explosive range in air: 15 – 28%

♦ Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1987.

CHEMICAL REACTION IN THE DETECTOR TUBE:



INSPECTION OF ASPIRATING PUMP:

Before testing, the pump shall be checked for proper performance. Leakage of air will affect accuracy of readings. The leakage check should be done by pulling the handle fully with an unbroken tube into the connector and waiting for 3 minutes. If the handle comes back thoroughly to the original position when the lock is released, the performance is good.

CAUTION:

Keep the detector tubes out of the reach of children and used tubes should be discarded carefully according to relevant regulations.