

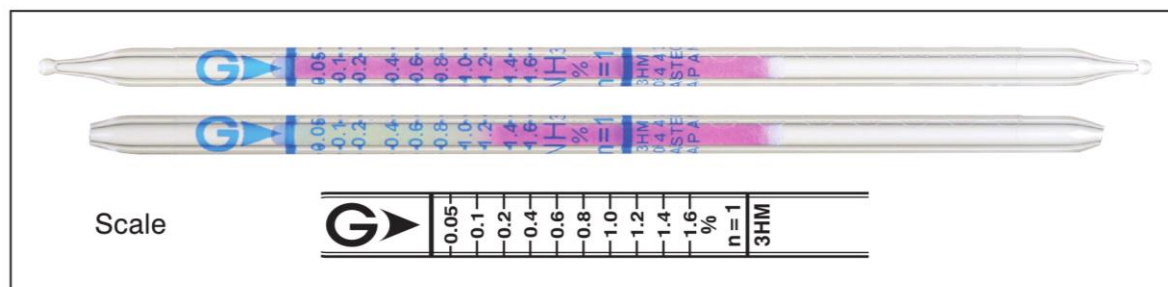


## Ammonia NH<sub>3</sub>

Part No.: 3HM

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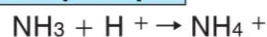
No.3HM



### Performance

|                                             |                                                                                                               |               |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|
| Measuring range                             | 0.05 to 1.6 %                                                                                                 | 1.6 to 3.52 % |
| Number of pump strokes                      | 1 (100 mL)                                                                                                    | 1/2 (50 mL)   |
| Correction factor                           | 1                                                                                                             | 2.2           |
| Sampling time                               | 1 min                                                                                                         | 30 sec        |
| Detecting limit :                           | 0.01 % (1 pump stroke)                                                                                        |               |
| Colour change :                             | Pink → Greenish gray                                                                                          |               |
| Operating conditions :                      | Temperature 0 to 40 °C (32 to 104 °F) correction not used<br>Relative humidity 20 to 80 % correction not used |               |
| Relative standard deviation :               | 10 % (for 0.05 to 0.4 %), 5 % (for 0.4 to 1.6 %)                                                              |               |
| Tube quantity and number of tests per box : | 10 tubes for 10 tests                                                                                         |               |
| Shelf life :                                | 36 months                                                                                                     |               |

### Reaction principle



### Possible coexisting substances and their interferences

| Substance           | Concentration | Interference | Changes colour by itself to |
|---------------------|---------------|--------------|-----------------------------|
| Hydrazine, Pyridine |               | +            | } Greenish gray             |
| Amines other than   |               | +            |                             |
| Aromatic amines     |               |              |                             |

### Calibration gas generation

High pressure gas cylinder method