

**Performance**

| | | |
|---|--|----------------|
| Measuring Range | 0.05 to 0.1 ppm | 0.1 to 2.0 ppm |
| Number of Pump Strokes | 10 | 5 |
| Correction Factor | 1/2 | 1 |
| Sampling Time | 1 minute per pump stroke | |
| Detecting Limit | 0.01 ppm (n=10) | |
| Colour Change | Pink → Yellow | |
| Reaction Principle | Hydrazine is neutralized by sulphuric acid and discolour pH indicator to yellow. | |
| Coefficient of Variation | 10% (for 0.1 to 0.5 ppm), 5% (for 0.5 to 2 ppm) | |
| Shelf Life | 3 Years | |
| Corrections for temperature & humidity | Humidity correction is necessary | |
| Store the tubes at cool and dark place. | | |

Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Change colour by itself |
|------------------|---------------|--------------|-------------------------|
| Amines & Ammonia | - | Plus error | Produces yellow stain. |

Other substance measurable with this detector tube

| Substance | Correction Factor | No. of pump strokes | Measuring range |
|--------------------|-------------------|---------------------|-----------------|
| Dimethyl hydrazine | 1 | 5 | 0.1 to 2 ppm |
| Methyl hydrazine | 6 | 5 | 0.6 to 12 ppm |

Calibration gas generation Permeation tube method

| TLV to TWA | TLV to STEL | Explosive range |
|------------|-------------|-----------------|
| 0.01ppm | - | 2.9 to 98% |