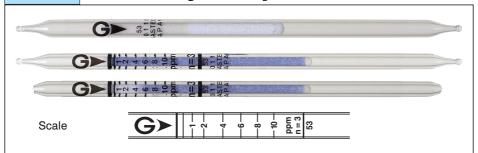
Pyrotube

## Dimethyl Sulphide (CH3)2S No.53



Performance

The minimum scale value (0.5ppm) is not printed on the tube, but only the scale line is printed.

| Measuring range        | 0.15 to 0.5 ppm | (0.5) to 10 ppm |
|------------------------|-----------------|-----------------|
| Number of pump strokes | 5(500 mL)       | 3(300 mL)       |
| Correction factor      | 0.3             | 1               |
| Sampling time          | 7.5 min         | 4.5 min         |

Detecting limit : 0.15 ppm (5 pump strokes)
Colour change : Bluish purple → White

Operating conditions : Temperature 0 to 35  $^{\circ}$ C (32 to 95  $^{\circ}$ F) correction used

Relative humidity 0 to 90 % correction not used

Tube quantity and number of tests per box: 10 tubes for 5 tests

Shelf life: 24 months

Reaction principle

Pyrotec: (CH<sub>3</sub>)<sub>2</sub>S (Pyrolyzing) SO<sub>2</sub>

Pyrotube :  $SO_2 + I_2 + 2H_2O \rightarrow 2HI + H_2SO_4$ 

## Possible coexisting substances and their interferences

| Substance         | Concentration | Interference | Changes colour by itself to |
|-------------------|---------------|--------------|-----------------------------|
| Hydrogen sulphide | ≥ 70 ppm      | +            | ]                           |
| Methyl mercaptan  | ≥ 40 ppm      | +            | White                       |
| Sulphur dioxide   |               | +            | J                           |

## Substance measurable with this Pyrotube

| Substance           | n | Correction factor | Measuring range |
|---------------------|---|-------------------|-----------------|
| Dimethyl disulphide | 3 | 0.6               | 0.3 to 6 ppm    |

## Calibration gas generation

Permeation tube method