

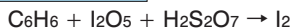
Performance

When used, these tubes are to be connected. See page 2-3.

| | | |
|------------------------|---------------|--------------|
| Measuring range | 0.1 to 10 ppm | 10 to 65 ppm |
| Number of pump strokes | 5 (500 mL) | 1 (100 mL) |
| Correction factor | 1 | 6.5 |
| Sampling time | 10 min | 2 min |

Detecting limit : 0.05 ppm (5 pump strokes)
 Colour change : White → Dark green
 Operating conditions: Temperature 0 to 35 °C (32 to 95 °F) correction not used
 Relative humidity 0 to 85 % correction not used
 Relative standard deviation : 10 % (for 0.1 to 3 ppm), 5 % (for 3 to 10 ppm)
 Tube quantity and number of tests per box : 10 tubes for 5 tests
 Shelf life : 36 months

Reaction principle



Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|-------------------|---------------|-------------------------|----------------------------------|
| Alcohols, Ketones | | No | No |
| Ethyl benzene | ≧ 1/1 | + | Blackish brown |
| Xylene | ≧ 10 ppm | + | Blackish brown around zero point |
| Toluene | ≧ 1/1 | + | Blackish brown |
| Hexane | ≧ 3 ppm | + (Unclear demarcation) | No |

Other substances measurable with this detector tube

| Substance | Correction | No. of pump strokes | Measuring range |
|------------------|--------------|---------------------|-----------------|
| Methylene iodide | Factor : 2.2 | 5 | 0.22 to 22 ppm |
| Methyl iodide | Factor : 3.2 | 5 | 0.32 to 32 ppm |

Calibration gas generation

Permeation tube method