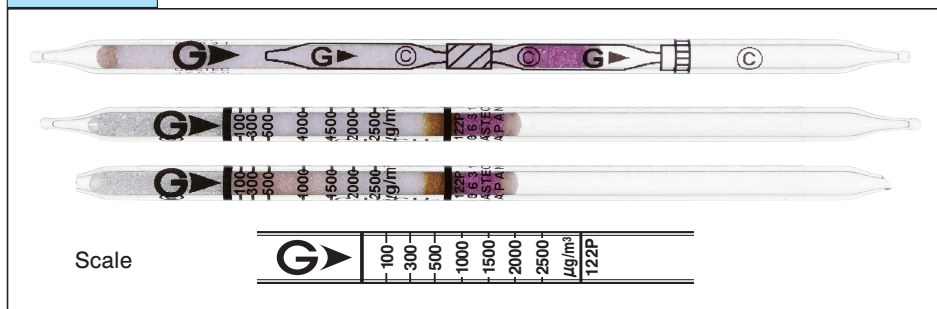


**Performance**

When used, these tubes are to be connected.

|                   |                                      |                                       |
|-------------------|--------------------------------------|---------------------------------------|
| Measuring range   | 100 to 2500 $\mu\text{g}/\text{m}^3$ | 2500 to 7000 $\mu\text{g}/\text{m}^3$ |
| Sampling rate     | 200 mL/min (6000 mL)                 | 200 mL/min (2000 mL)                  |
| Correction factor | 1                                    | 2.8                                   |
| Sampling time     | 30 min                               | 10 min                                |

Detecting limit : 50  $\mu\text{g}/\text{m}^3$  (6000 mL)Colour change : White  $\rightarrow$  Pale brownOperating conditions : Temperature 5 to 35  $^{\circ}\text{C}$  (41 to 95  $^{\circ}\text{F}$ ) correction not used

Relative humidity 0 to 80 % correction not used

Relative standard deviation : 10 % (for 100 to 500  $\mu\text{g}/\text{m}^3$ ), 5 % (for 500 to 2500  $\mu\text{g}/\text{m}^3$ )

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

Shelf life : 24 months

**Reaction principle****Possible coexisting substances and their interferences**

| Substance             | Concentration                      | Interference | Changes colour by itself to |
|-----------------------|------------------------------------|--------------|-----------------------------|
| Ethanol               |                                    | No           | No                          |
| p-Dichlorobenzene     |                                    | No           | No                          |
| Alpha pinen           |                                    | No           | No                          |
| n-Hexane              |                                    | No           | No                          |
| Formaldehyde          | $\leq 1/3$                         | No           | No                          |
| Xylene, Styrene       | $\geq 1000 \mu\text{g}/\text{m}^3$ | +            | } Pale brown                |
| Aromatic hydrocarbons |                                    | +            |                             |

**Other substances measurable with this detector tube**

| Substance     | Correction   | Sampling Correction        | Measuring range                       |
|---------------|--------------|----------------------------|---------------------------------------|
| Ethyl benzene | Factor : 1.1 | 200 mL/min $\times$ 30 min | 110 to 2750 $\mu\text{g}/\text{m}^3$  |
| Xylene        | Factor : 5.4 | 200 mL/min $\times$ 30 min | 540 to 13500 $\mu\text{g}/\text{m}^3$ |

**Calibration gas generation**

Permeation tube method