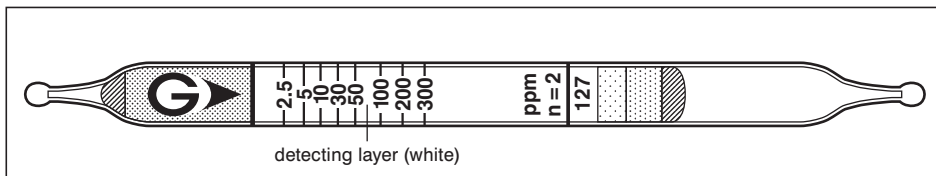


# o-Dichlorobenzene C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub>

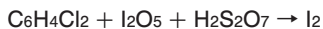
No.127



## Performance

|                                          |                                                      |
|------------------------------------------|------------------------------------------------------|
| Measuring range                          | 2.5 to 300 ppm                                       |
| Number of pump strokes                   | 2 (200 ml)                                           |
| Correction factor                        | 1                                                    |
| Sampling time                            | 3 min                                                |
| Detecting limit :                        | 1 ppm (2 pump strokes )                              |
| Colour change :                          | White → Light brown                                  |
| Corrections for temperature & humidity : | Temperature correction is necessary.                 |
| Relative standard deviation :            | 10 % (for 2.5 to 100 ppm) , 5 % (for 100 to 300 ppm) |
| Shelf life :                             | 3 years                                              |

## Reaction principle



## Possible coexisting substances and their interferences

| Substance             | Concentration | Interference | Changes colour by itself to         |
|-----------------------|---------------|--------------|-------------------------------------|
| Aromatic hydrocarbons |               | +            | Light brown                         |
| Acetylene             | ≦ 0.2 %       | No           | Light brown (whole layer) (≧ 0.2 %) |
| Carbon monoxide       | ≦ 0.1 %       | No           | Light brown (whole layer) (≧ 0.1 %) |
| Ethylene, Esters      | ≦ 0.2 %       | No           | Light brown (whole layer) (≧ 0.2 %) |
| Hexane                | ≦ 0.2 %       | No           | Light brown (whole layer) (≧ 0.2 %) |
| Alcohols, Ketones     | ≦ 1 %         | +            | No                                  |

## Other substances measurable with this detector tube

| Substance         | Correction | No. of pump strokes | Measuring range |
|-------------------|------------|---------------------|-----------------|
| m-Dichlorobenzene | Factor : 1 | 2                   | 2.5 to 300 ppm  |
| p-Dichlorobenzene | Factor : 1 | 2                   | 2.5 to 300 ppm  |

## Calibration gas generation

Diffusion tube method