



## Performance

|                                             |                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Measuring range                             | 1.3 to 200 ppm                                                                                           |
| Sampling time                               | 1 to 8 hours                                                                                             |
| Colour change :                             | Reddish purple → Pale brown                                                                              |
| Operating conditions :                      | Temperature 0 to 40 °C (32 to 104 °F) correction used<br>Relative humidity 0 to 90 % correction not used |
| Relative standard deviation :               | 10 % (for 10 to 200 ppm · hr)                                                                            |
| Tube quantity and number of tests per box : | 10 tubes for 10 tests                                                                                    |
| Shelf life :                                | 30 months                                                                                                |

## Reaction principle



## Possible coexisting substances and their interferences

| Substance                | Concentration | Interference | Changes colour by itself to |
|--------------------------|---------------|--------------|-----------------------------|
| Unsaturated hydrocarbons |               | +            | Pale brown                  |

## Other substances measurable with this Dosi-tube

| Substance                  | Correction   | Sampling time | Measuring range |
|----------------------------|--------------|---------------|-----------------|
| Ethylene                   | Factor : 1.2 | 1 to 8 hours  | 1.5 to 240 ppm  |
| Isoprene                   | Factor : 1.2 |               | 1.6 to 240 ppm  |
| trans-1,2-Dichloroethylene | Factor : 3.0 |               | 3.8 to 600 ppm  |
| Vinyl chloride             | Factor : 1.2 |               | 1.5 to 240 ppm  |

## Calibration gas generation

Permeation tube method