

Detector Tube

Xylene-10



Part No.: D7086874

Instructions for Use

1 Application

Detection of xylene in air or in technical gases.

2 Detector Tube Sampling Pump

KWIKDRAW Pump, Gas-Tester IIH, Gas-Tester I. Observe respective instructions for use.

3 Measuring Range

10 ppm to 400 ppm xylene at n=5 (5 stroke).

4 Chemical Reaction and Color Change

Reaction of o-xylene with formaldehyde/sulphuric acid forming a p-chinoide compound.

Color change: White → brown

5 Sampling Procedure

- Check detector tube pump for leakage.
- Break off both the tips of the tubes.
- Insert tube tightly into pump. Arrow on tube must point toward pump.
- Perform 5 strokes.
- Read concentration at end of color zone within 2 minutes after sampling.
- Used detector tubes can not be used repeatedly.
- Duration of one pump stroke: 20....30 seconds.

6 Ambient Conditions During Sampling

- Detector tubes can be used without compensation of the reading between 0 °C and 40 °C (32 °F and 104 °F) and up to 80% RH (40 g/m³ at 40 °C [104 °F])
- Pressure compensation:
Multiply reading (in ppm) with compensation factor F.

$$F = \frac{1013 \text{ (mbar)}}{\text{actual atm. pressure (mbar)}} = \frac{760 \text{ (mm Hg)}}{\text{actual atm. pressure (mm Hg)}}$$

7 Interferences and Cross Sensitivities

- Toluene, ethyl benzene, diethyl benzene, triethyl benzene, styrene may be indicated but with different sensitivity.

8 Overall Uncertainty

Up to ±15 to 25 % (expressed as relative standard deviation)

9 Storage and Transport

Up to 25°C (77°F) and protected from light.

Expiration date: see back of package.

10 Safety Advice / Disposal

Tubes must be kept away from unauthorized persons. For disposal of tubes as waste, observe the legal regulations applicable in the individual country of use.