

# Information Data Sheet

**Detector Tube** Tol-5  
**Part No. (US):** 803947  
**Part No.** D5085828

## 1. Application

Detection of toluene (methyl benzene, C<sub>6</sub>H<sub>6</sub>CH<sub>3</sub>).

## 2. Detector Tube Sampling Pump

KWIK DRAW (formerly MSA AUER) Gas-Tester® IIH, Gas-Tester® I / ThumbPump™-Sampler, Toximeter® II, Uniphos Kwik-Draw™-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

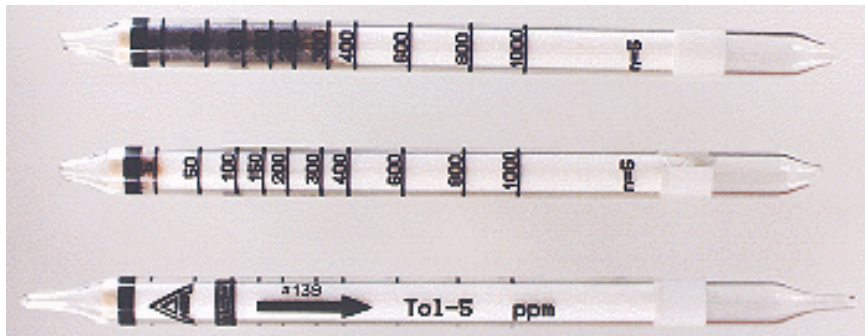
## 3. Measuring Range

5 ppm ... 1000 ppm toluene at n=5 (5 pump strokes).

## 4. Chemical Reaction and Color Change

Oxidation of aromatic hydrocarbons by a iodate/ sulfuric acid reagent.

Color change: White → Brown



## 5. Ambient Conditions During Sampling

Detector tubes can be used between 0 °C and 40 °C (32 °F and 104 °F) and up to 90 % rh (46 g/m<sup>3</sup> at 40 °C [104 °F]).

## 6. Interferences and Cross Sensitivities

- No interference from:
  - hydrogen, methane, ethane, propane, butanes, carbon dioxide, carbon monoxide.
- Benzene will be indicated. The sensitivity of indication is higher than for toluene.
- higher saturated hydrocarbons (e. g. hexanes, octanes), olefinic hydrocarbons (e. g. ethylene), hydrogen sulfide, carbon disulphide will be indicated by a slight brown or pink discoloration. The toluene indication is distinctly readable against that background.

### Manufactured By:

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