

Information Data Sheet

Action Detector Tube Gasoline-A

Part No. (US): 804410

Part No. D5085769

1. Application

Quick orientative check of ambient atmosphere for hazardous concentrations of vapors of several aliphatic hydrocarbons.

2. Detector Tube Sampling Pump

UNIPHOS KWIK DRAW (formerly MSA AUER) Gas-Tester® I/H, 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

The action detector tube has two marks conforming the following concentrations:

Mark 1: 100 ppm n-hexane at n=2 (2 strokes).

Mark 2: 1,000 ppm n-hexane at n=2 (2 strokes).

4. Chemical Reaction and Color Change

Oxidation of aliphatic hydrocarbons by a chromate/sulfuric acid reagent.

Color change: orange → green/brown-black



5. 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 90 % rh [46 g/m³ at 40 °C (104 °F)].

6. Interferences and Cross Sensitivities

- a) No interference from:
 - hydrogen, methane, ethane, carbon monoxide, carbon dioxide.
 - sulfur dioxide, nitrogen dioxide up to 5,000 ppm.
 - ammonia up to 1,000 ppm
 - hydrogen cyanide up to 100 ppm.
 - chlorine, phosgene up to 10 ppm.
- b) Propane, butanes, acetylene discolor the indicating layer totally so that stain end is not formed.
- c) Hydrogen sulfide, carbon disulfide, nitric oxide, hydrogen chloride, aromatic hydrocarbons (e.g. benzene), halogenated hydrocarbons (e.g. trichloroethane, trichloroethylene), alcohols, ketones, ethers, esters are indicated. The sensitivity varies.

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