

Information Data Sheet

Action Detector Tube Alcohols-A

Part No. (US): 804404

Part No. D5085773

1. Application

Quick orientative check of ambient atmosphere for hazardous concentrations of vapours of several alcohols.

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

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

Mark 1: 200 ppm methanol at n=5 (5 strokes).
Mark 2: 1000 ppm methanol at n=5 (5 strokes).

4. Chemical Reaction and Color Change

Oxidation of alcohols by a chromate/sulfuric acid reagent.
Color change: red → greyish-green



5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 0 °C and 30 °C (32 °F and 86 °F) and between 10% rh [0.5 g/m³ at 0 °C (32 °F)] and 90% rh [27 g/m³ at 30 °C (86 °F)].

6. Interferences and Cross Sensitivities

- a) No interference from:
- hydrogen, methane, ethane, propane, butanes, carbon monoxide, carbon dioxide.
 - higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene), aromatic hydrocarbons (e.g. benzene) up to 1 vol %.
 - halogenated hydrocarbons (e.g. trichloroethane, trichloroethylene, chlorobenzene), hydrogen sulfide, carbon disulfide, acetic acid up to 5000 ppm.
 - aldehydes, ketones, ethers, esters up to 1000 ppm.
 - sulfur dioxide, ammonia, hydrogen cyanide, phosgene up to 100 ppm.
 - nitric oxide, nitrogen dioxide, chlorine, hydrogen chloride, phosgene up to 10 ppm.

Manufactured By:

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