

Information Data Sheet

Detector Tube Acetone-100

Part No. (US): 804141

Part No. D5086829

1. Application

Detection of acetone (propanone, C₃H₆O) in air or in technical gases.

2. Detector Tube Sampling Pump

UNIPHOS 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

100 ... 10,000 ppm acetone at n=6 (6 strokes).

4. Chemical Reaction and Color Change

Reaction of acetone with 2,4-dinitrophenylhydrazine forming an hydrazone.

Color change: light yellow → yellow



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

- No interference from:
 - alcohols and esters.
- Aldehydes and other ketones will be indicated. The sensitivity of indication is different. Ammonia interferes with the reading by a yellow-brown discoloration of the indication layer.

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