Information Data Sheet	
<b>Detector Tube</b>	H <sub>2</sub> S-0.2%
Part No. (US):	D700003
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# 1. Application

Detection of hydrogen sulphide (H<sub>2</sub>S) in air or in technical gases.

## 2. Detector Tube Sampling Pump

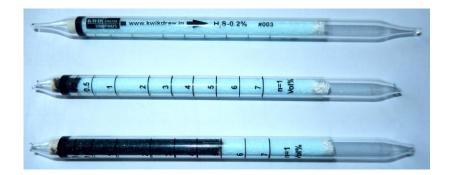
KWIK DRAW (formerly MSA AUER) Gas-Tester<sup>®</sup> IIH, Gas-Tester<sup>®</sup> I / ThumbPump<sup>™</sup>-Sampler, Toximeter<sup>®</sup> II, Kwik-Draw<sup>™</sup>-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

## 3. Measuring Range

(0.2... 7) Vol% hydrogen sulphide at 1 pump stroke (n=1)

# 4. Chemical Reaction and Color Change

Reaction of hydrogen sulphide with copper compound forming copper sulphide. Color change: Light blue  $\rightarrow$  Grey/black



### 5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 0 °C and 50 °C (32 °F and 120 °F) and Up to 90 % RH [75 g/m<sup>3</sup> at 50 °C (120 °F)] water vapor will not affect accuracy of indication.

### 6. Interferences and Cross Sensitivities

- a) No interference from:
  - hydrogen, methane, ethane, propane, butanes, carbon monoxide, carbon dioxide.
  - higher saturated hydrocarbons, olifinic hydrocarbons, aromatic hydrocarbons up to 10 vol.%
    sulfur dioxide, carbon dioxide up to 1000 ppm.
- b) Comparable concentrations of mercaptans will interfere with the reading.

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