

Information Data Sheet

Detector Tube H₂O-HP (ppm)

Part No. (US): 488908

Part No. D5085851

1. Application

Detection of water vapour (H₂O) in compressed air.

2. Detector Tube Sampling Pump

Monitoring set for compressed air, Uniphos (formerly MSA Auer) Air-tester HP, observe included instruction for use.

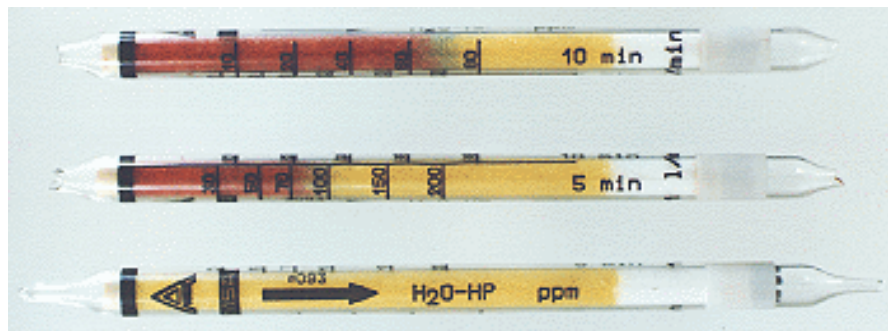
3. Measuring Range

30 ppm ... 200 ppm water vapour for a 5 L sample.
10 ppm ... 80 ppm water vapour for a 10 L sample.

4. Chemical Reaction and Color Change

Precipitation of selenium from selenium/sulfuric acid by water.

Color change: Yellow → Brown or brown/green.



5. Influence of Temperature

Detector tubes can be used between 0 °C and 35 °C (32 °F and 95 °F).

The calibration scales on detector tube are exactly valid if tube have a temperature of 20 °C (68 °F) during measurement. If detector tube temperature deviates from 20 °C (68 °F), multiply reading (ppm) with appropriate correction factor (see table).

Temperature of detector tube (°C)	0	5	10	15	20	25	30	35
Temperature of detector tube (°F)	32	41	50	59	68	77	86	95
Correction factor	1.85	1.55	1.35	1.17	1.00	0.85	0.70	0.57

Normally, detector tube temperature is equivalent to ambient temperature.

6. Interferences and Cross Sensitivities

a) No interference from: Hydrogen, methane, ethane, propane, carbon monoxide, carbon dioxide, mineralic oil (vapor and mist).

Manufactured By:

Uniphos Envirotronic Pvt. Ltd (100% EOU)

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