

Information Data Sheet

Detector Tube H₂O(Rel. Humidity)

Part No. (US): 655863

Part No. D5086849

1. Application

Detection of water vapour H₂O in air or in technical gas.

2. Sampling Procedure

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..

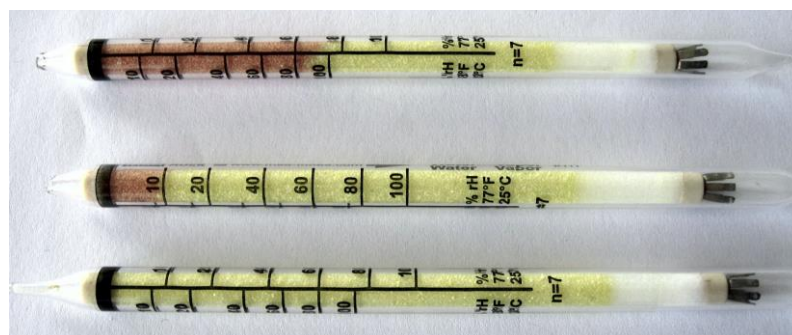
3. Measuring Range

10 ... 100 % R.H. at n=7 (7 strokes).

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

The calibration scales are valid for temperatures of 20 and 25 °C (68 and 77 °F). For other temperatures (see indicator on box), read at 25°C (77°F) - scale and multiply with the correction factor in table below:

Temperature	°C	14	16	17	18	19	21	22	23	24	26	27	28	29	30	31
	°F	58	60	62	64	66	70	72	74	76	78	80	82	84	86	88
Correction Factor		2,22	1,84	1,7	1,57	1,45	1,26	1,18	1,11	1,05	0,94	0,89	0,85	0,81	0,77	0,74

Normally, detector tube temperature is equivalent to ambient temperature.

6. Interferences and Cross Sensitivities

No interference from:

– hydrogen, methane, ethane, propane, carbon monoxide, carbon dioxide, mineralic oil (vapor and mist).

Manufactured By:

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