

# H<sub>2</sub>O-MP (mg/m<sup>3</sup>)

**Part No. D5086851**

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## 1. Application

Detection of water vapour (H<sub>2</sub>O) in compressed air.

## 2. Sampling Device

Monitoring set for compressed air, KWIKDRAW Airstester MP, observe included instruction for use.

## 3. Measuring Range

100 mg/ m<sup>3</sup> ... 1000 mg/ m<sup>3</sup> water vapour for a 2 L sample.

## 4. Chemical Reaction and Colour 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 tubes have a temperature of 20 °C (68 °F) during measurement. If detector tube temperature deviates from 20 °C (68 °F), multiply reading (mg/ m<sup>3</sup> ) 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, mineral oil (vapor and mist).