

Order No.  
67 28531

# Water Vapour 5/a-P

**Standard Measuring Range** : 5 to 250 mg/m<sup>3</sup>  
**Test Volume** : 50 L  
**Flow Rate** : 2 L/min  
**Time for Measurement** : app. 25 min  
**Standard Deviation** : ± 15 ... 20 %  
**Colour Change** : yellow → reddish-brown

## Ambient Operating Conditions

**Temperature** : 0 to 40 °C  
**Pressure** : The tube may only be used for depressurized compressed air

## Reaction Principle

$\text{H}_2\text{O} + \text{SeO}_2 + \text{H}_2\text{SO}_4 \longrightarrow$  reddish-brown reaction product

## Cross Sensitivity

Alcohols and unsaturated hydrocarbons of high concentrations may cause a diffused discoloration of the indicating layer.

## Extension of the Measuring Range

The following evaluation applies to other volumes:

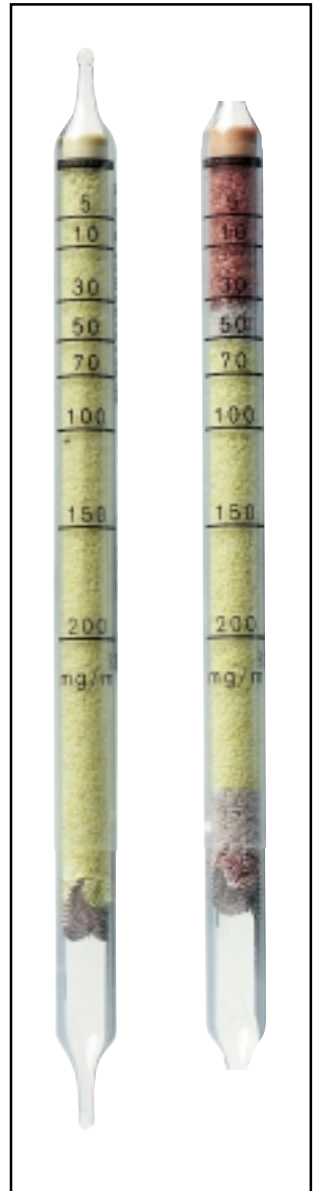
Reading :	5	10	30	50	70	100	150	200
25 L vol.:	10	20	70	110	160	220	340	450
100 L vol.:	2	4	12	20	28	40	60	80

I.e. given a test volume of 25 L the read scale value of 50 mg H<sub>2</sub>O/m<sup>3</sup> corresponds to a measured value of 110 mg H<sub>2</sub>O/m<sup>3</sup>.

Relative Standard Deviation: ± 25 bis 30 % ( 25 L)  
± 20 bis 25 % (100 L)

## Prerequisites

This tube may only be used in conjunction with the Dräger-Aerotest D 20 700



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