

Order No.

81 01511

Hydrogen 0.2%/a

Standard Measuring Range : 0.2 to 2.0 Vol.-%
Number of Strokes (n) : 1
Time for Measurement : app. 1 min
Standard Deviation : ± 10 to 15 %
Colour Change : green yellow \rightarrow turquoise blue

Ambient Operating Conditions

Temperature : 20 to 40 °C
Absolute Humidity : max. 50 mg H₂O / L

Reaction Principle

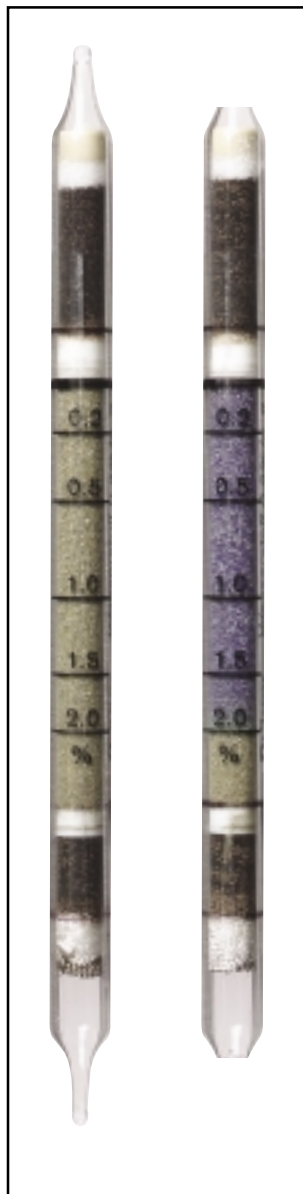
- a) $\text{H}_2 + \frac{1}{2} \text{O}_2 \rightarrow \text{H}_2\text{O}$
b) $\text{H}_2\text{O} + \text{Indicator} \rightarrow$ turquoise blue reaction product

Cross Sensitivity

No interference by:
0.1 Vol.-% acetylene
6 Vol.-% alcohol
6 Vol.-% ammonia
0.5 Vol.-% carbon monoxide

Additional Information

The indicating layer is heated up by hydrogen concentrations of more than by 10 Vol.-%. The air sample must not contain additional flammable substances whose ignition temperature is below 250°C
– **Danger of explosion!**



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