

# Hydrogen 0.2%/a

Catalog No 8101511

**Standard Measuring Range:** 0.2 to 2.0 Vol %  
**Number of Strokes (n):** 1  
**Time for Measurement:** about 1 minute  
**Standard Deviation:** ± 10 to 15%  
**Color Change:** green yellow to turquoise blue

## Ambient Operation Conditions

**Temperature:** 20 to 40°C  
**Absolute Humidity:** maximum 50 mg H<sub>2</sub>O/L

## Reaction Principle

- a)  $H_2 + 1/2 O_2 \longrightarrow H_2O$   
b)  $H_2O + \text{pH Indicator} \longrightarrow \text{turquoise blue reaction product}$

## 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 the hydrogen concentration of more than 10 Vol %. The air sample must not contain additional flammable substances whose ignition temperature is below 250°C. **Danger of explosion!**



# Dräger

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