

# Nitrous Fumes 0.2/a

Order No. 81 03 661

## Application Range

Use in MultiTest med. Int., SimultanTest CO<sub>2</sub>

Standard Measuring Range:	0.2 to 6 ppm
Test Volume:	1 L
Flow Rate:	0.2 L/min.
Time for Measurement:	5 min
Standard Deviation:	± 30 %
Color Change:	grey green → blue grey

## Ambient Operating Conditions

Temperature:	10 to 40 °C
Absolute Humidity:	max. 40 mg H <sub>2</sub> O / L
Pressure:	The tube may only be used for depressurized compressed air

## Reaction Principle

- a)  $\text{NO} + \text{Cr}^{\text{VI}} \rightarrow \text{NO}_2$   
 b)  $\text{NO}_2 + \text{Diphenylbenzidine} \rightarrow \text{blue grey reaction product}$

## Cross Sensitivity

It is impossible to measure nitrous fumes in the presence of ozone and/or chlorine in excess of their TLV's, these gases are also indicated with different sensitivity. Nitrogen dioxide concentration above 300 ppm can bleach the indication.

## Evaluation

Scale reading = ppm nitrous fumes

