

Order No,
81 01051

Carbon Dioxide 1%/a-D

| Standard Range | Measurement Time |
|----------------|------------------|
|----------------|------------------|

| | | | | |
|------|----|----|--------|-----|
| 1 | to | 30 | Vol.-% | 1 h |
| 0.3 | to | 10 | Vol.-% | 3 h |
| 0.2 | to | 6 | Vol.-% | 5 h |
| 0.13 | to | 4 | Vol.-% | 8 h |

Standard Deviation : ± 20 to 25 %
Colour Change : blue → white

Ambient Operating Conditions

Temperature : 10 to 30 °C
Absolute Humidity : 1 to 15 mg H₂O / L

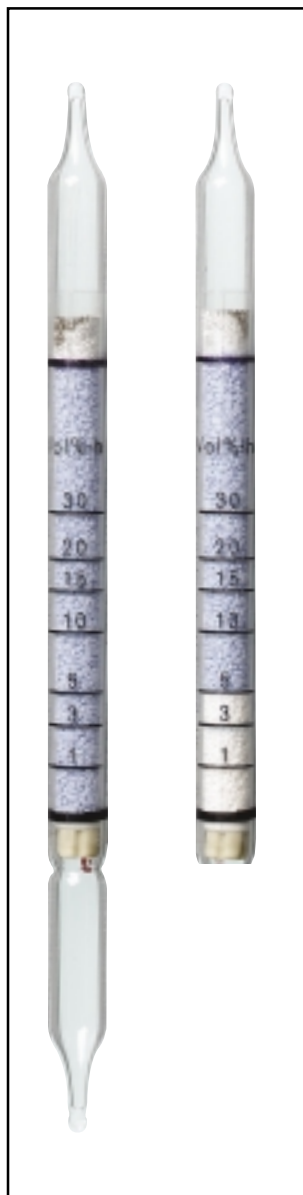
Reaction Principle

CO₂ + pH Indicator → white reaction product

Cross Sensitivity

Other acid reacting substances are also indicated, but normally this is not a problem unless the concentrations exceed the TLVs. For example, the following substances do not interfere during a 4-hour measurement.

- 100 ppm ammonia
- 50 ppm sulphur dioxide
- 50 ppm nitrogen dioxide
- 50 ppm hydrogen sulphide
- 25 ppm hydrochloric acid



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