T

Tertiary Butylmercaptan Natural Gas Odorization Order No. 81 03 071

Application Range

Standard Measuring Range: 3 to 15 mg/m³ / 1 to 10 mg/

 m^3

Number of Strokes n: 3 / 5

Time for Measurement: 3 min / 5 min

Standard Deviation: \pm 15 to 20 % Color Change: yellow \rightarrow pink

Ambient Operating Conditions

Temperature: 20 to 35 °C Absolute Humidity: $< 15 \text{ mg H}_2\text{O} \text{ / L}$

Reaction Principle

TBM + HgCl₂O₇ → HgS + 2 HCl

HCl + pH-indicator → pink reaction product

Cross Sensitivity

Hydrogen sulfide, sulfur dioxide, mercaptane, arsine, nitrogen dioxide and phosphine are indicated as well, but with different sensitivities.

Additional Information

For applications in an environment with temperatures below 20 °C use temperature correction. To do so refer to the instructions for use.

