

Technical Data Sheet: TDS 4

DIF 200 RTU - HYDROGEN SULPHIDE (H₂S)

This tube is designed for passively monitoring gaseous airborne Hydrogen sulphide.



Description: Black acrylic tube fitted with black thermoplastic rubber caps. One cap is fitted with a one-micron porosity filter to prevent particulate ingress, the other cap contains the absorbent.

Hydrogen sulphide is chemically adsorbed and transformed into a stable compound, which is then quantitatively determined by UV/ Visible Spectrophotometry with reference to a calibration curve derived from the analysis of standard sulphide solutions (UKAS Accredited Methods).

Suitable for carrying out spatial or localized assessments for H₂S in ambient air or workplace monitoring.

Clips and straps are not included and must be ordered separately.

Tube Dimensions: 71.0mm length x 11.0mm internal diameter.

Recommended Exposure Periods: 2 –4 weeks.

Air Velocity: No influence when filter fitted.

Storage: Store in a dark, cool environment preferably between 5-10 degrees centigrade.

Shelf Life: 6-weeks from preparation date.

Limit of detection: Less than 0.1 $\mu\text{g m}^{-3}$ over a 4-week exposure period. Specific values available upon request.

Analytical Expanded Measurement Uncertainty: available upon request.

Relevant Standards: BS EN 13528 Parts 1-3 : 2002/3

Special Factors: Ozone may reduce the recovery of H₂S. Some reducing agents such as SO₂ may inhibit colour development.