

ANALYSIS EXPERTS IN GAS

GAS ANALYZER GC 866

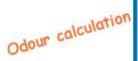












TRS MEDOR®

Automated continuous analysis of odorous sulphur compounds ISO 6326/2 norm and DIN 51855/7.



Model: M52022

Analysis & Monitoring of sulphur emissions at ppb levels

Applications of the TRS Medor®

Environmental:

Ambient air monitoring Odour monitoring & control (Waste water treatment) Sulphur emission monitoring (stack emissions)

Process:

CO, Quality control Fermentation process monitoring

Analysis of H₂S / SO₂ / MM / EM / DMS / DES / DMDS in ambient air (outdoor)

In option: Propyl-SH & Buthyl-SH & THT in refinery or near natural gas area

For SO, and all sulphur compounds : low detection limit ≤ 1 ppb

Chromatotec® is specialised in VOC, Sulfur and permanent gases analysis at trace and ultra trace levels (ppm, ppb, ppt). Please visit our website for more details.





Ambient air ppb reduced sulfur compounds analyzer

Description:

The TRS MEDOR® is an automatic and isothermal gas chromatograph dedicated to sulfur compounds analysis (H2S, mercaptans and sulphides) in different matrices.

Two versions exist: the TRS MEDOR® ppm which measures at ppm levels and the TRS MEDOR® ppb which measures at ppb levels.

Principle:

- · Loop injection by automatic valve
- · Detection is made by a gas-liquid reaction
- · Sulfur specific detector no interferences
- The detector life is in excess of 10 years

Features:

- · Online, continuous sampling
- · No interference from other compounds
- Low maintenance instrument detector life may be up to 10 years
- · Automatic Validation of results by Internal Permeation Tube
- Modifiable threshold alarms High / Low alarm for odorising processes

VISTACHROM ® software

Chromatotec® developed software system enables:

- · Remote monitoring & injection control
- Full traceability with on board archiving of results and QC Set up and control of threshold alarms
- Export of data MODBUS / MGS1 / 4-20mA / 0-10V

Options:

- · 24 V power: for transportable analysis
- · Internal Permation Tube system (CALIB system)
- Multiple stream selector (analysis of 2 to 6 streams with one analyser)
- Calculation Module (Average)
- Explosion proof Exp box Ex Specification Class 1 Div 2, group C&D

Product Technical Specifications:

Reduced sulfur compounds analysis:

· Speciation and/or Total Reduced Sulfur: TRS

Detection limits: in ppb (available in ppm):

H₂S: 1 ppb (1.417 μg/m³)

DMS: 0.5 ppb (1 ppb=2.584 µg/m³)

Detection range: H,S/SO,/Mercaptans:

- Programmable: 0/10 ppb or 0/100 ppb or 0/1000 ppb
- Calcultation of odor, TRS, mgS/m³ ...

Relative Standard Deviation:

- · RSD < 3 % on concentration over 48H.
- RSD < 0.6% on retention time over 48H.

Results:

- Hardware storage
- · MODBUS communication protocol (optional)
- · 4-20mA (optional)

Cycle Time:

H₂S/total S 120s
 H₂S, MM, DMS, DMDS 300s
 Total reduced sulfur (TRS) 300s

Gas supply:

- · Carrier: Dry air or N, (3 bars): 5 ml / min.
- · CALIB: in continuous 50 ml / min.
- · CALIB during validation ~ 450ml/min

Power supply:

Main: 230V 60Hz or 115V / 50 Hz

· Power: 24V (optional)

Electrical consumption:

150 VA

Dimensions and weights:

Rack: 19" (5U)Height: 222 mmWidth: 482mmDepth: 600 mm

· Net weight: 22 Kgs

For ordering:

Model:

TRSMEDOR® ppb - inbuilt computer 5U Calibration included

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