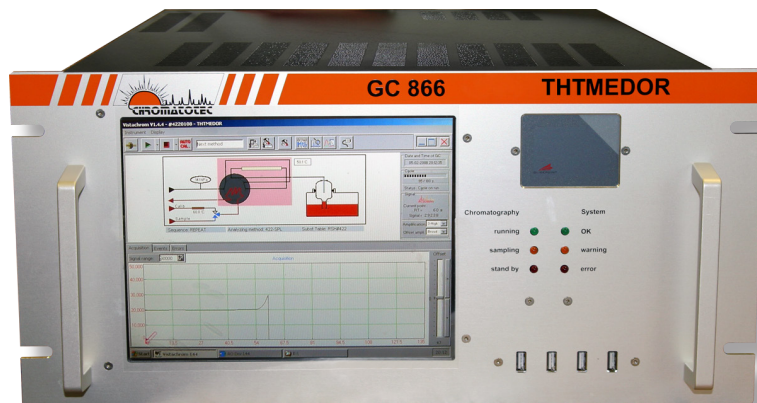


THT MEDOR®

Online analysis & control of gas odourisation



Model: M31022

THT

THT MEDOR® applications:

Odourisation processes:

- Continuous monitoring of THT levels in natural gas
- Automatic THT injection level control
- User definable alarm thresholds
- Multiple stream analysis (Upstream / downstream)

Deodorisation processes:

- ppb level analysis (Detection limit : 5 ppb THT)
- Automatic alarm generation
- Catalyser protection

ASTM D7493-08 : Standard Test Method for Online Measurement of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatograph and Electrochemical Detection



ISO 6326/2 norm, DIN 51855/7 , ASTM D7493-08

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.

Updated: July 2013

THT MEDOR®

Online analysis & control of gas odourisation



Description:

THT Medor® is an online Gas Chromatograph dedicated to the analysis of THT present in different gases.

Two versions of the instrument exist:

- THT Medor® ppm (measuring at ppm levels)
- THT Medor® ppb (measuring at ppb levels)

Principle:

- Internal pressure & temperature monitoring
- Sample loop injection is made by automatic valve
- THT Medor® uses a sulphur specific electrochemical cell for the detection of THT

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 odourising processes

VISTACHROM® software:

Chromatotec® developed software system enables:

- Remote monitoring injection control
- Full traceability with on board archiving of results
- 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 Permeation 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:

Compounds Analysed:

- THT – TetraHydroThiophene

Detection Limit:

- ppm Model – 1 mg/m³
- ppb Model – 0.3 mg/m³

Detection Range:

- ppm model - 1 to 50 mg/m³
- ppb model - 0.3 to 3.0mg/ m³
- (Ranges adjustable depending on Application)

Relative Standard Déviation:

- RSD < 2 % on concentration over 48H.
- RSD < 0.6% on retention time over 48H.

Cycle Time:

- THT 180s

Storage / Transfer of Results:

- 40GB of Hardware storage
- MODBUS or MGS1 communication protocol
- 4-20mA / 0-10V
- RS232 / RS 485

Gas supply:

- Carrier Gas: N₂ (3 bars): 10 ml/min.
- Internal Claibration: 50 ml/min (if selected)
- Sample inlet 1 bar (10 l/hour)

Power supply:

- Main: 230V / 60Hz or 115V / 50 Hz
- Power: 24V (optional)

Electrical consumption:

- Mean: 150 VA

Dimensions and weight:

- Rack: 19" - (5U)
- Height: 222mm
- Width: 482mm
- Depth: 600mm
- Net weight: 22Kg

For ordering:

- THT MEDOR® - inbuilt computer - 5U

Model:

M31022

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