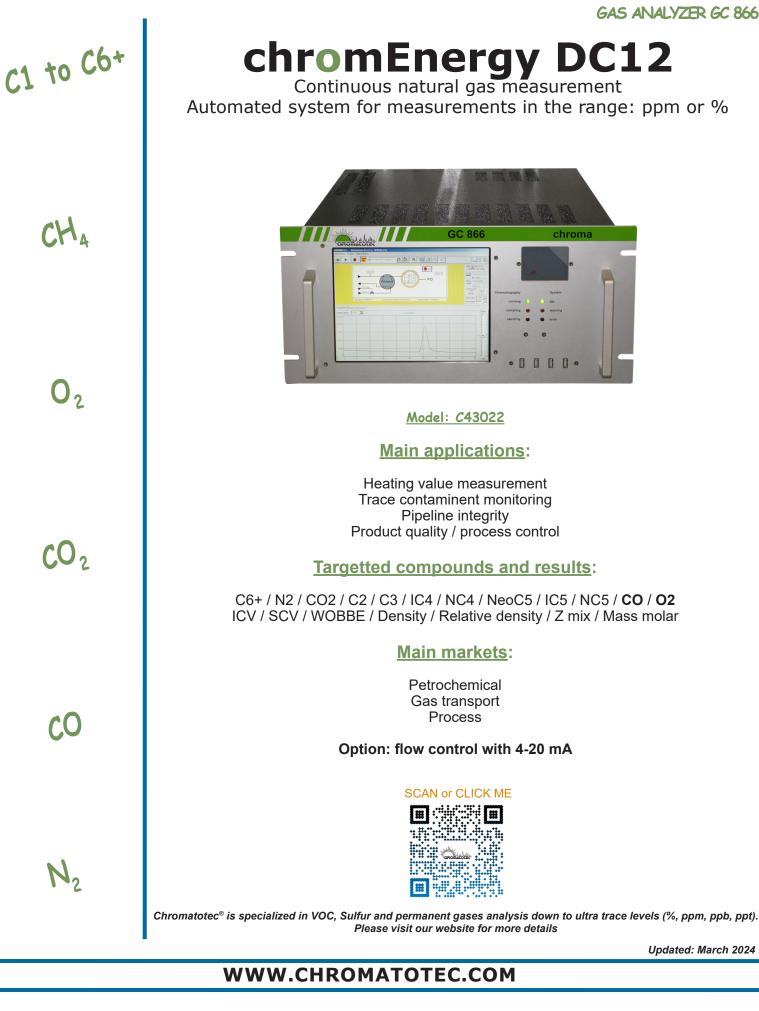
TSP C43



ONLINE ANALYTICAL SOLUTIONS EXPERTS

GAS ANALYZER GC 866



chromEnergy DC12 Continuous natural gas measurement

Automated system for measurements in the range: ppm or %

Description:

The chromEnergy DC12 is an industrial gas chromatograph for analysis and monitoring of C1C6+ in natural gas and gaseous fuels by TCD detection.

Principle:

Doube GC with 2 TCD in one instrument and one supervisor/Vistachrom

- One GC with precolumn and Porapack for N2 and C1 and C2 and CO2
 - with column 3 with molecular Sieve for O2 and CO $\,$
 - Second GC with precolumn and column DC 200 for C6+ and C3 and IC4 and NC4 and NeoC5 and IC5 and NC5
 - Automatic sampling using a loop
 - · Loop injection by automatic valve on the column
 - Back flush column for C6+ analysis and column cleaning
 - Isothermal gas chromatograph
 - Detection of all compounds eluting from the column performed by the micro TCD detector

Key points:

- · Continuous monitoring with automatic online sampling
- · A pressure safety is located at detector outlet to protect the filament
- · Calorific value unit is configurable on request
- Low maintenance instrument
- Full traceability of results and calibration
- · Automatic control with process device
- Intelligence system with tunable and interactive alarms levels
- Powerfull VISTACHROM[®] Chromatotec[®] software included in the flow computer:
 - Remote monitoring & injection control
 - Full traceability with on board archiving of results and chromatograms
 - QC Set up and control of threshold alarms
 - Data export by MODBUS / 4-20 mA / 0-10 V
 - Time stamp results
 - Algorithms using analog and digital signals received from flowmeters, temperature, pressure and density transmitters

Available options:

- Explosion proof Exp box
 - ATEX Zone 2 : Ex II 3G Ex pz IIC T4
 - CSA International Class 1 Div 2, group B, C & D
- Multiple stream selector (up to 16 streams with one analyzer)
- Calculation modules (average / statistics / heating value...)
- Module 4-20 mA / 0-10 V 4 output and 0 mA for instrument default
- · Electric selection valve to reduce air consumption
- Gas cleaner
- 24 V DC power supply
- · Carrier gas purificator
- Flow control with 4-20 mA

Chromatotec® is continuously improving its products, therefore these specifications are subject to change without notice

To contact us: sales@chromatotec.com

NORTH AMERICA	EUROPE	ASIA
Houston-USA	Bordeaux - FRANCE	Beijing - CHINA

WWW.CHROMATOTEC.COM

Technical specifications:

Detection limit:

Down to 10 ppm on Hexane

Detection range:

• ppm to %

Relative Standard Deviation: Repeatability:

- RSD from 3 % to 0.5% over 48 h (concentration)
- RSD < 0.5 % over 48 h (retention time)

Supervisor:

- Embeded computer Windows® based with LCD display
- 32 GB of Hardware storage on SSD memory

Communication:

Communication protocol MODBUS

Cycle time:

 6 minutes for C6+ / N2 / CO2 / C1 / C2 / C3 / IC4 / NC4 / NeoC5 / IC5 / NC5 / C0 / O2

Gas supply:

- Carrier gas: He (4 bar; 1/16"): 18 ml/min
- Calibration inlet: 1 bar; 1/16"
- Sample inlet: 1 bar; 1/16"
- Pneumatic valve 90 ml/commutation

Power supply:

• Main (230 V / 115 V 50 Hz/60Hz)

Electric consumption:

• Average: 100 VA; Peak: 200 VA

Dimensions and weight:

- Rack: 19" (5U)
- · Height: 222 mm
- Width: 482 mm
- Depth: 660 mm
- Net weight of analyser: 22 kg



chromEnergy DC12

(integrated computer)

Cabinet for ATEX Zone 2

Cabinet for CSA Class 1 Division 2

CSA International certification

Model:

C43022

XXX060-Z-ATEX XXX060-Z-CSA XXX061

