

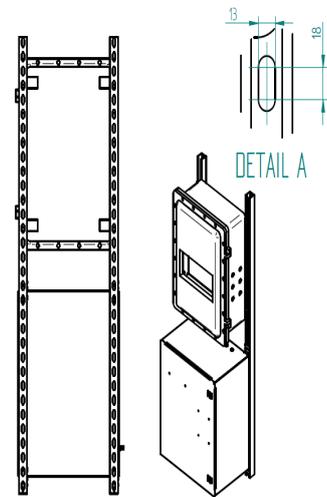
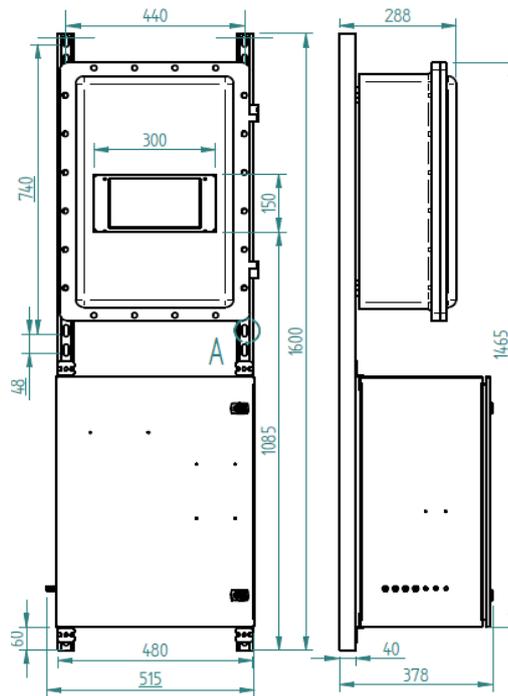
**ONLINE ANALYTICAL SOLUTIONS EXPERTS**

# Industrial GC 866 Exd

Integration for hazardous area - Exd and Exe cabinets

ATEX & IECEx: Ex d IIB + H<sub>2</sub> T4 Gb

Class I Div 2 and Div 1 (field certification available)



*Model shown in medium size  
Other sizes available upon request..*

**Model: MEDOR® Exd ATEX**

SCAN or CLICK ME



**Main markets**

Petrochemical  
Gas transportation  
Process



*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: February 2026

# Industrial GC 866 Exd

Integration for hazardous area - Exd and Exe cabinets



## Description:

The Industrial GC 866 Exd is a compact explosion-proof gas chromatograph designed for flexible multi-application analysis in hazardous areas.

The new Exd enclosure design is smaller and lighter and up to three independent GC analytical modules can be integrated within a single certified housing.

The system allows simultaneous measurement of gas composition, sulfur compounds, VOCs and moisture using multiple detector technologies with inbuilt gas generators

Internal cabinet temperature is continuously monitored by the GC for diagnostic and safe operation.

Proven Chromatotec industrial autoGC technology with more than 50 years field experience.

## Flexible configuration platform:

- From 1 to 3 complete GC analytical modules in one Exd enclosure
- Combination of multiple detectors in a single system: ED (MEDOR), TCD, PID and FID\* (\*under certification for 2026)
- Multi-stream selector up to 10 streams
- Gas or liquid injection valves (heated up to 60 °C optional)
- Internal automatic calibration and validation system based on certified permeation tube from ppb to ppm level

**Example:** Natural gas composition by TCD + sulfur compounds by MEDOR ED + dew point sensor in one GC 866 Exd with common sampling system.

## Options:

- Dew point sensor integration (DET H2O)
- Custom application development & validation
- Electric selection valve to reduce air consumption
- Carrier gas generator N2 or zero air, auto span check system in ppb or ppm range
- Liquid Injection valve for LPG or up to condensate analysis
- Sampling valve for high concentration up to % level
- Internal temperature control system using electric heater / VOR-TEX / electric peltier cooler (XXXPelt Ex only for Zone 2)
- 3G / 4G / 5G communication module
- Sampling pump (XXX901-ATEX-C1D2)
- Internal heater (XXX-HEAT-Exd)
- 24 V DC power supply
- Internal or external multipoint calibration and zero with CALIB MFC, XXXCYL MFC, airmoCAL 200
- Liquid sampling system with pressurized headspace for sulfurs and/or VOC extraction from liquid phase (XXPURGE-HS-EX)
- Painting of the system for offshore use
- MODBUS RTU / JBUS communication protocol, 4-20mA and remote control

## Product technical specifications:

### Analytical Performance:

- H<sub>2</sub>S with MEDOR ED: LDL < 5 ppb
- Benzene with PID: ~ 1 ppb
- Permanent gases with TCD: < 1 ppm

### Supervisor:

- Full result storage (data and chromatogram)
- Embedded computer Windows® based with LED display
- 128 GB of Hardware storage on SSD memory
- 4 USB Connecting Port
- Two RS-232 ports
- Display: 10" screen

### Operation Temperature:

- Room with air conditioning: 10 to 25°C
- With thermal insulation: -20 to 40°C (depending on application)
- With thermal insulation and vortex cooler or electrical peltier cooler : -20 to 55°C

### Dimensions:

#### Medium size model

- Height: 1600mm
- Width: 400mm
- Depth: 740mm

*(Small and large size are available upon request)*

### Weight:

- Net weight without frame: 95 kg (120 kg with frame)

### To order:

XXX060-Z1-Exd-ATEX  
XXX060-Z1-Exd-IECEX  
XXX060-C1D2-Exd  
XXX060-C1D1-Exd

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

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