

mobil GC MobilGC for Cooling Gases

for analysis on site

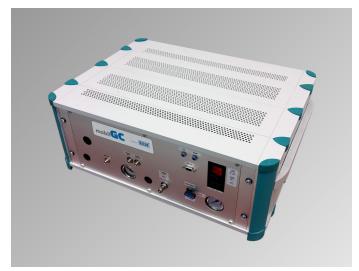
Product description

The MobilGC for cooling gases is an portable gas analyzer. The device allows on site measurement of cooling gases in the reefer with the accuracy of the gold standard test in an external service laboratory.

The MobilGC can distinguish between the legal cooling gas R 134 a and the illegal substances R 22, R 40, R 142 b and others. It can even measure the dangerous breakdown product of R 40, TMA (Tri-Methyl-Aluminum).

And even if TMA degrades during sampling into methane gas, the MobilGC gives you the concentration of the latter as a direct measure of the former TMA concentration.

All these gases are detected together in one single 8 minute measurement with accuracy up to 1 ppm. The accuracy of a full lab analysis for the cost of a rapid on-site test.



Portable gas analyzer for cooling gases



Cooling gas analyzer with sample bag

Applications

Applications, depends on the column mounted in the device

- Cooling gas analysis
- Emission and immission measurements
- On-site-analysis, process control, online monitoring
- Suitable for continuous limit value monitoring of total concentration of hydrocarbon in gas samples
- Allows to link with gas extraction techniques, e. g. for gas in oil analysis



MobilGC with sample syringe

Details

The MobilGC for cooling gases is a robust instrument for mobile use in a harbour situation.

The software of the device is installed on a mobile computer and designed in a user friendly way.

The combination of accuracy, speed and mobility gives you the possibility to act in time, without delays.

The MobilGC can detect the following gases:

- R 40 (Methyl chloride)
- R 134 a (1,1,1,2 Tetra fluor ethane)
- R 22 (Chlordifluor methane)
- R 142 b (1-Chlor-1, 1-difluor ethane)
- TMA (Tri-Methyl- Aluminium)
- Methane (methane is not measured by GC/MS!)

Specifications

Working range: 1 ppm ... 100 % Resolution: 0.01 ppm Sample volume: 0.01 ... 1 ml

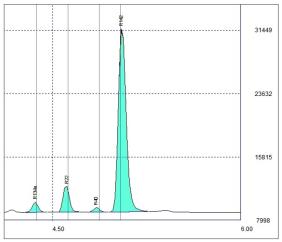
Sample volume: 0.01 .. Measurement duration: 8 min

Power supply: 230 V, 50 Hz

Dimensions: 560 x 460 x 320 mm (W x D x H)

Weight: 20 kg
Device control: PC software

(PC not included in the scope of delivery)



Detail of chromatogram



List of results





Warning if measurement values are critical

We are here for you



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