

Mobile Gas Chromatograph for Dissolved gas Analysis Version 2

(According to DIN / IEC 60567/567)

Scope of delivery

- basic device with Windows control software for evaluating documentation and customer-specific settings
- thermal-conductivity detector (TCD) and flame ionization detector (FID), Methanizer
- furnace cassette with separating column and temperature-programmed column heating system, separate heating for each column
- internal carrier and burning gas supply (argon/hydrogen for approximately 80 operating hours)
- 2 capillary columns for determination of **hydrocarbons C1-C3** with complete heating up to 300°C, 2. column for determination of **permanent gases (H₂, Ar, N₂, O₂, CO, CO₂)** with complete heating up to 300°C
- Automatic, controlled gas sample valve with exchangeable 0,2 ml - dosing capillary, integrated in basic device. The valve is suitable for high pressure applications. Ready for operation. The sample is pumped with an internal diaphragm pump (time controlled by software).
- Automatic, controlled 6-port-valve, integrated in basic device. The valve is suitable for packed as well as for capillary columns.
- degassing is carried out by means of a gas extraction syringe according to DIN / IEC 60567/567 ; the released gas is transferred to the GC by means of an injection syringe



For detection of 11 fault gases:

- H₂, CH₄, O, N, CO, CO₂, C₂H₂, C₂H₄, C₂H₆, C₃H₆, C₃H₈

The scope of delivery includes the following components:

- Calibration gas Peakmaster
- 1 gas extraction syringe
- 1 seal assembly for the gas extraction syringe
- 2 three-way valves
- 1 two-way valve

- 2 connectors
- 1 tube connecting oil reservoir and syringe
- 1 injection syringe
- 1 Septen assembly (including 5 Septen)
- 1 unit of leakage detector gas
- 1 package of cleaning pads

following options are available:

Option: laptop as control computer:
Pentium 133 MMX
1.4 GB hard disk/16 MB RAM
12.1 inch DSTN colour LCD display with touch pad
The customer has to provide for Win 95 and Windows for Workgroups

Option: connection to external gas supply:
cylinder adapter, inert pressure pipe
needle valve for setting cylinder pressure
security pressure relief valve, filter
high-quality steel connector to the mobile GC

Option: carrier gas supply, cylinder with 2 litres of argon, 200 bar
for approximately 1,200 operating hours

Option: hydrogen supply, cylinder with 2 litres, 200 bar
for approximately 1,200 operating hours

Option: equipment case for mobile GC
The scope of delivery includes the following components:

- 1 gas extraction syringe
- 1 seal assembly for the gas extraction syringe
- 2 three-way valves
- 1 two-way valve
- 2 connectors
- 1 tube connecting oil reservoir and syringe
- 1 injection syringe
- 1 unit of calibration gas M 218
- 1 unit of calibration gas M 216
- 2 injection syringes with cannulas
- 1 Septen?? assembly (including 5 Septen)
- 1 unit of leakage detector gas
- 1 package of cleaning pads

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