

Mobile Gas Chromatograph for Dissolved gas Analysis Version 1A

Scope of delivery:

- basic device with Windows control software for evaluating documentation and customer-specific settings, with Expert System for automatic Faultdiagnosis in Insulating Oils
- thermal-conductivity detector (TCD) and flame ionization detector (FID) connected in series, Methanizer
- furnace cassette with separating column and temperature-programmed column heating system
- Automatic sample loop for easy injection of gas sample
- internal carrier gas supply (nitrogen/argon for approximately 80 operating hours)
- internal burning gas supply (hydrogen for approximately 80 operating hours)
- degassing is carried out by means of a gas extraction syringe according to DIN/IEC 60567/567 ; the released gas is transferred to the Injector of the GC with an injection syringe



For detection of 9 fault gases:

- H₂, CH₄, CO, CO₂, C₂H₂, C₂H₄, C₂H₆, C₃H₆, C₃H₈
- Detection ranges: H₂ 1 ppm
- CO , CO₂, CH₄ 0,2 ppm
- C₂H₂, C₂H₄, C₂H₆ 0,1 ppm
- C₃H₆, C₃H₈ 0,5 ppm

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 Set 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 nitrogen :
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: connection to external gas supply hydrogen:
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: nitrogen supply, cylinder with 2 litres, 200 bar
for approximately 1,200 operating hours
- Option: hydrogen supply, cylinder with 2 litres, 200 bar
for approximately 1,200 operating hours
- Option: Accessory case for mobile GC
- 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 Peakmaster
 - 2 injection syringes with cannulas
 - 1 Set Septen assembly (including 5 Septen)
 - 1 unit of leakage detector gas
 - 1 package of cleaning pads