



Peri 1200

Gas Chromatograph



Compact, Modern, Easy Programming

- **TCD Detection.**
- **Electronique pressure regulation.**



- **Dedicated to :**
 - Process control.
 - Gas and light product analysis.
 - Educational.
- **Data processing :**
Windows based Chromatography software operated from PC internal board or portable external box.

PERICHROM
INSTRUMENTATION
SCIENTIFIQUE

Your Specialist

Chromatographic programme

- Automatic cycle with specified number of analysis at programmed intervals.
- Data are entered and visualised using a 16 key keyboard and a 4 x 20 characters LCD screen.
- 4 LED indicate the operation status.

Temperature regulation

- 3 independent temperature regulations (oven + 2 auxiliaries)
- PID regulation.
- Stability +/- 0,1°C.
- Temperature range : Isothermal regulation from ambient to 200°C by 1°C increment.

Injection mode

- Optionally, either :
One or two standard injectors for packed or macrobore columns.
Manual or automated sampling valves (large selection of sampling loop volumes).
Or a combination of those options.

Detector

- Thermal conductivity detector (TCD) type WX with four filaments.
- Wheatstone bridge power supply :
Constant intensity programmable from 10 mA to 1 A by 10 mA increment.
- Programmable gain from 1 to 10.
- « AUTO ZERO » compensation.

Pneumatic regulations

- Electronic pressure regulation :
- Two independant ways programmable separately.
- Programmable pressure from 0 to 200 kPa by 1 kPa increment.
Stability : 0,1 kPa

Input / Output

- External events :
2 programmable output with 2 times of commutation :
Selection of the initial time and duration (maximum 99 hours).
- READY output for automatic injector.
- START input for remote control.
- Analog output 0-1V.
- RS 232 serial communication.

Securities

- Pressure security : The pressure are permanently controlled with immediate filament power cut in case of pressure defect. An alert signal indicates the failure.
- The level of minimum pressure is programmable Filaments intensity security : Automatic control of the filaments intensity according to the selected carrier gas.
- Temperature security :
Programming of the maximum temperature acceptable in order to protect the column.

Option

WINILAB Chromatography software Windows based system offering up to 4 channels.

- Optimised with Windows 98, 2000 and NT
- Operates from PC internal board or portable external box.

Generalities

- Oven consumption : 800 W
- Dimensions :
Length: 450 mm
Width : 320 mm
Height : 190 mm
- Weight : 15 Kg
- Supplies : 220V - 50 Hz (5A max.)

*The manufacturer reserves the right to change any specification without notice.
Photo is not contractual.*