Technical specifications

- 1 One chromatographic input
- 1 6 TTL digital inputs
- 1 16 output relays Switching Rate 220 VAC 1A

1 Resolution 22 bits chromatographic input
1 Input voltage +/- 2.5 v

Power 220 VAC 50/60Hz 200 VA

Possibility to store 20 chromatograms
 Maximum of 24 peaks per chromatogram

One LPT Printer output

1 2 RS232 outputs

1 Max of 8 concentrations throught 4-20mA signal

Carrier gas Argon
 Carrier flow rate Between 2 and 6 l/h
 Impurities detected H₂, O₂, Ar, N₂, Kr, CH₄, CO

Detection limit H₂ < 50 ppb

 0_2 < 50 ppb

N₂ < 50 ppb CH₄ < 50 ppb

CO < 2 ppm

Accuracy 1% of the reading scale

1 Linearity +/- 1%

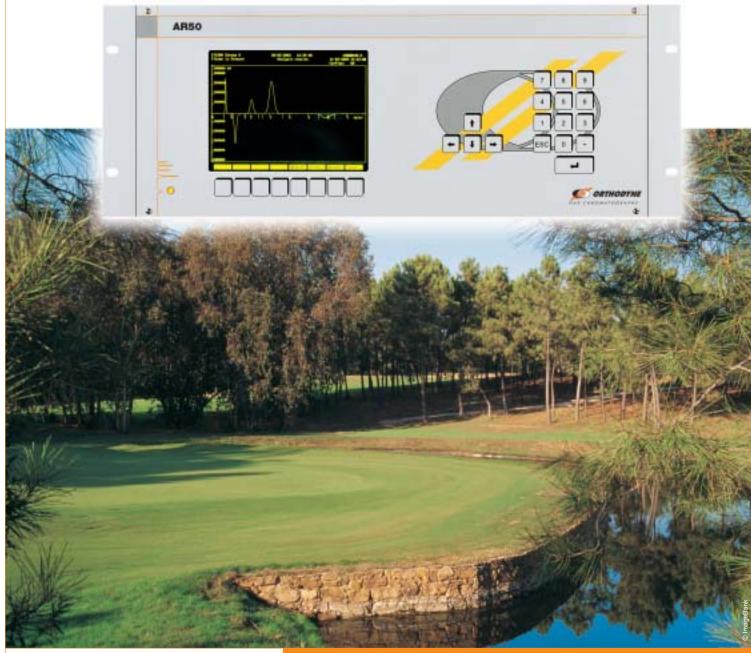
Storage temperature - 20 to 60° c







Analysis of H₂, O₂, N₂, CH₄ and CO in Argon





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AR50: a new DID GENERATION

The AR50 is a compact multifunctional argon ionisation detector designed for higher accuracy, sensitivity and stability.

TWO FUNCTIONS IN ONE:



Argon ionisation detector



Acquisition and control module

EASY TO USE, EASY TO MAINTAIN

- The digital system reduces hardware components.
- 1 This means less technical interventions and less spare parts to be replaced.

VERY LOW DETECTION LIMITS

- He < **50 ppb**
- O₂ < **50** ppb
- N₂ < 50 ppb
- CH₄ < **50 ppb**
- CO < 2 ppm
- STABLE BASELINE

Other characteristics

- 1 Compact module (19" Rack 4U high).
- 1 Argon carrier flow sensor.
- 1 All settings made through software. (e.g. : amplifier zeroing,...).
- 1 Analyses made in single or cyclic mode.
- Possible selection of several analysis lines.
- 1 Together with an injection valve module and an oven, the system realises analyses, stores results and makes calibrations.



Integrates data coming from a continuous analyser

Available options

Remote control

Monitoring and remote diagnosis are made by Orthodyne through a modem to give you support in your everyday analytical work.

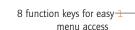
Scheduler equipped (Analysis made at a set time

- external request)

Continuous analyser control

4-20 mA output

ARSO TO THE STANDARD OF THE S



User-friendly 1

graphic interface

Self-contained screen and keyboard for direct information



Process alarms keep the user informed (e.g. : power too low)





Alarm peaks are transfered to a PLC or a control room through 4-20 mA



With an optional laser printer, you can print analysis reports