

## Technical specifications

- One chromatographic input
- 6 TTL digital inputs
- 16 output relays – Switching Rate 220 VAC – 1A
- Resolution..... 22 bits chromatographic input
- Input voltage..... +/- 2.5 v
- Input impedance..... 500 kΩ
- Power..... 220 VAC 50/60Hz 200 VA
- Possibility to store 20 chromatograms  
Maximum of 24 peaks per chromatogram
- One LPT Printer output
- 2 RS232 outputs
- Max of 8 concentrations through 4-20mA signal
- Carrier gas..... UHP, Helium
- Carrier flow rate..... Between 2 and 6 l/h
- Impurities detected..... H<sub>2</sub>, O<sub>2</sub>, Ar, N<sub>2</sub>, Kr, CH<sub>4</sub>, CO
  
- **Detection limit..... < 0,5 ppb with high purity Helium and purifier**
  
- Accuracy..... 1% of the reading scale
- Linearity..... +/- 1%
- Working temperature..... 10 to 35° c
- Storage temperature..... - 20 to 60° c



Graphisme - André Poesel sgrt -32 (0)4 363 62 46

# HE 50

SIMPLY HIGH PURITY...

Welcome to  
the high purity  
source



 **ORTHODYNE**  
GAS CHROMATOGRAPHY

Avenue de l'Union 25A  
B-4430 Ans - Belgium  
Phone 32 (0)4 263.90.90  
Fax 32 (0)4 263.09.79  
E-mail sales@orthodyne.be  
Web http://www.orthodyne.be

© ImageBank

# HE 50: a new DID GENERATION

SIMPLY HIGH PURITY...

The HE 50 is a compact multifunctional helium ionisation detector designed for higher accuracy, sensitivity and stability.

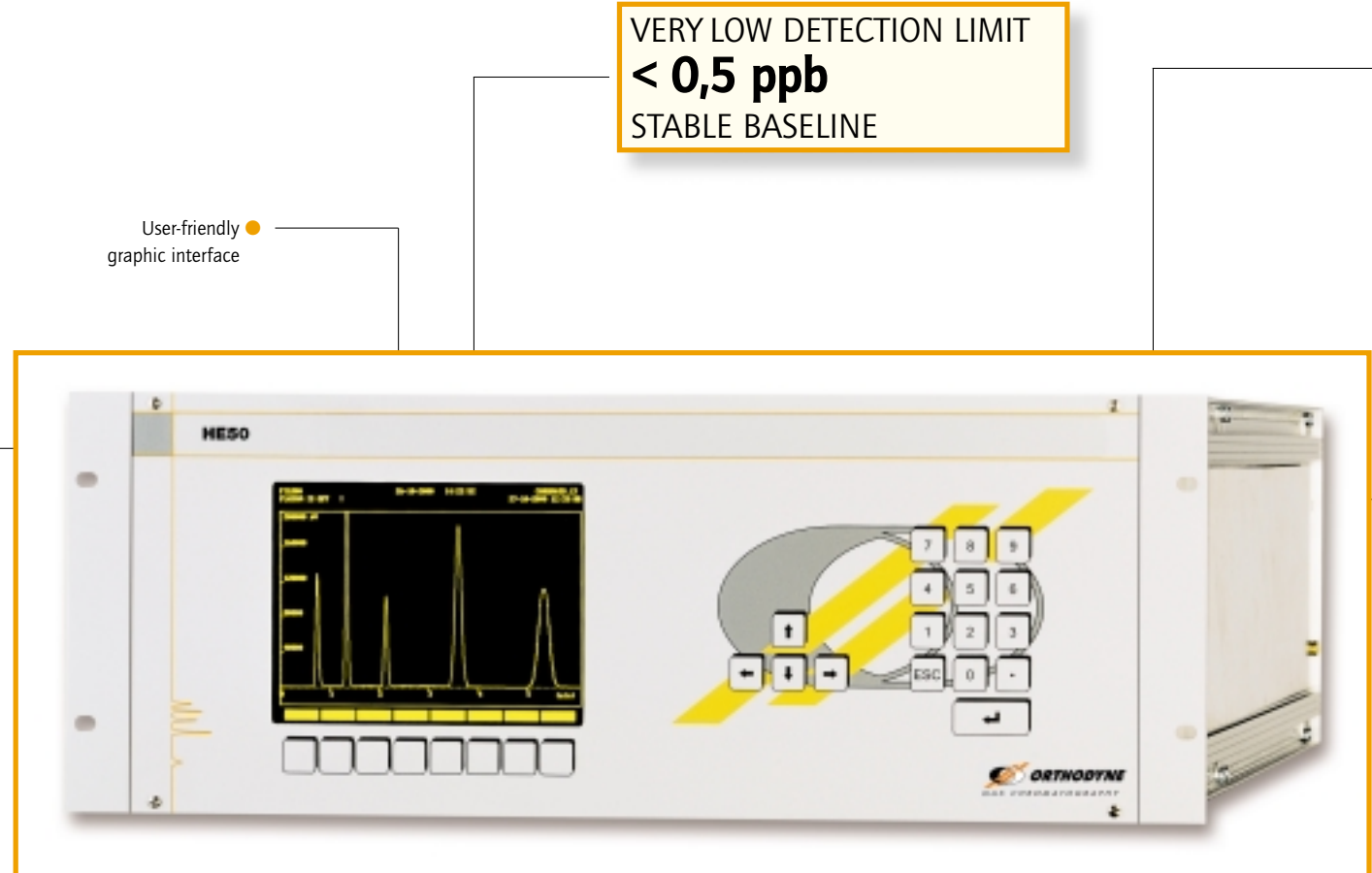
## TWO FUNCTIONS IN ONE :



Helium ionisation detector



Acquisition and control module

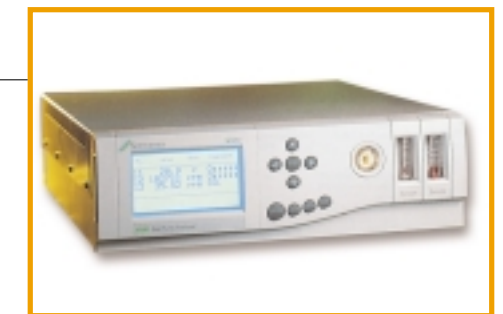


User-friendly graphic interface

VERY LOW DETECTION LIMIT  
**< 0,5 ppb**  
STABLE BASELINE

## Other characteristics

- Compact module (19" Rack 4U high).
- Helium carrier flow sensor.
- All settings made through software. (e.g. : amplifier zeroing,...).
- Analyses made in single or cyclic mode.
- Possible selection of several analysis lines.
- 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

## EASY TO USE, EASY TO MAINTAIN

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

8 function keys for easy menu access

Self-contained screen and keyboard for direct information



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



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



With an optional laser printer, you can print analysis reports

## 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**