

# THC 5000

REINVENTING CONTINUITY...

**NEW**

Also available in  
**AIR, CO<sub>2</sub> and O<sub>2</sub>**

Continuous analysis  
of THC in N<sub>2</sub>, Ar, He, H<sub>2</sub>



# THC 5000 Continuous analysis of THC (as methane equivalent) in N<sub>2</sub>, Ar, He, H<sub>2</sub>

## General characteristics

- Continuous measurement system based on a flame ionisation detector.
- System controlled by microprocessor.
- Easy to use.
- Easy maintenance.
- Weak sample flow.
- Less power consumption.
- CE Analyser.
- Alphanumeric screen 8 x 40 characters, 64 x 240 pixels.
- Multifunctional and real-time software.

## Dimensions

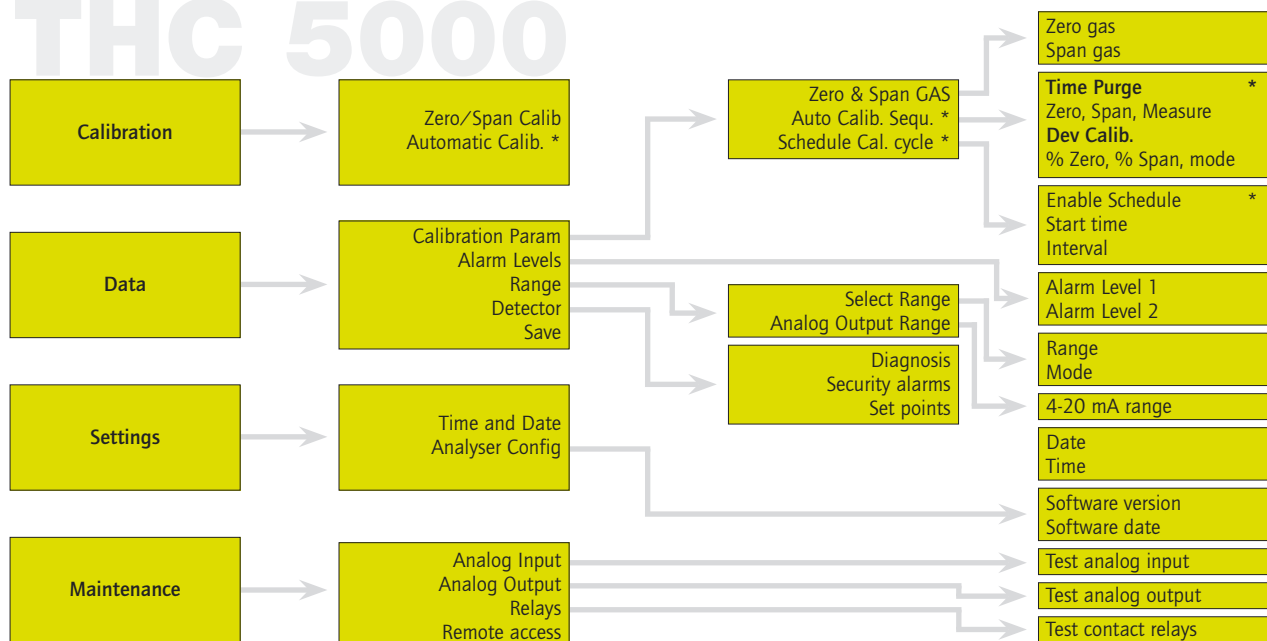
- Height ..... 4U
- Width ..... 19"
- Depth ..... 450 mm

## Technical characteristics

- Three ranges :
  - 0-1 ppm ..... display resolution 0.01 ppm
  - 0-10 ppm ..... display resolution 0.1 ppm
  - 0-100 ppm ..... display resolution 0.1 ppm
- Accuracy : 0.5% of the reading scale
- Detection limit < 0.05 ppm on the range 0-1 ppm
- Drift ..... 1 % during 24 hours  
(0.5 % over a longer period)

- Gas connections
  - Sample ..... 1/8" Swagelok SS
  - Air ..... 1/8" Swagelok SS
  - H<sub>2</sub> ..... 1/8" Swagelok SS
- Sample flow ..... ± 3 l/h
- Max Input Pressure ..... working pressure from 0.3 to 15 Bar
- Synthetic air
  - Flow ..... 20 l/h
  - Pressure ..... 2 Bar
  - Quality ..... 5.0
- Hydrogen
  - Flow ..... 2 l/h
  - Pressure ..... 1 Bar
  - Quality ..... 6.0
- Working Temperature ..... ambient and stable temperature (± 20°C)
- Power supply ..... 220 Vac, 50-60 Hz
- Consumption ..... 500 VA
- Output 4-20 mA ..... 1 output for THC impurity
- Connector RJ-45 ..... computing maintenance of the system
- Output relays ..... (dry contacts, SPST 2A / 250 Vac)
  - 1 STATUS contact relay (security alarm)
  - 3 RANGE contact relays (active range)
  - 1 process alarm contact relay (level 1)
  - 1 process alarm contact relay (level 2)
  - 2 contacts for automatic calibration

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\* Optional

