

# AZ 5005

REINVENTING CONTINUITY...

We had a dream...

a continuous analyser of N<sub>2</sub> in Helium



# AZ 5005 Continuous analysis of N<sub>2</sub> in Helium

## General characteristics

- Continuous measurement system based on the luminosity of an Helium plasma in a quartz chamber.
- 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.

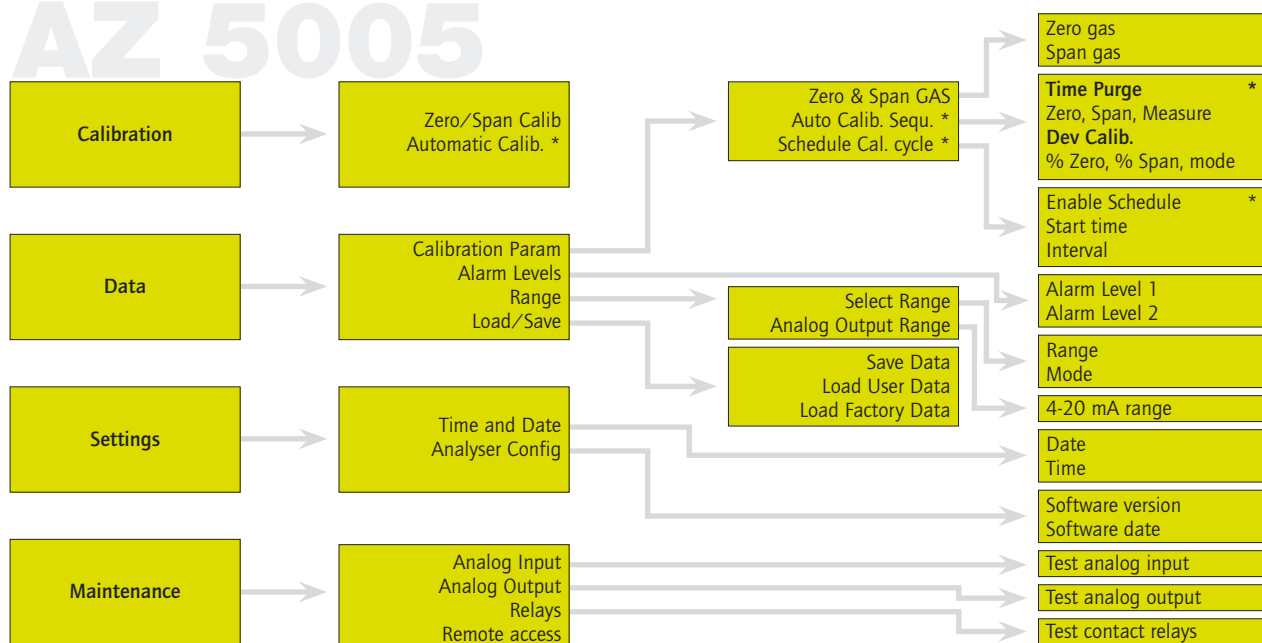
## Dimensions

- 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
  - 0-1 ppm ..... 5 % of the reading scale
  - 0-10 ppm ..... 0.5 % of the reading scale
  - 0-100 ppm ..... 0.5 % of the reading scale
- Drift ..... 1 % during 24 hours  
(0.5 % over a longer period)
- Gas connections
  - Sample ..... 1/8" Swagelok SS
  - Vent ..... 1/8" Swagelok SS
- Sample flow ..... ± 3 l/h
- Max Input Pressure ..... working pressure from 0.2 to 1 Bar  
(vent at atmospheric pressure)
- 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 N<sub>2</sub> 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

