

# Temperature and humidity logger

## PicoVACQ Humidity



Measures temperature and humidity during your processes, even in the smallest packagings.

PicoVACQ HT  
Ex Option

Specially designed for clean industries, all the models of this family enable quality control and process validation of food or pharmacy industries.

**PicoVACQ HT** enables measurement of temperature and humidity. It is also available in Ex version for applications in explosive environment. As an example, PicoVACQ HT Ex is used in the validation of ethylene oxide sterilization.

- 1 Pt1000 type internal temperature sensor
- 1 capacitive humidity sensor
- PicoVACQ HT is available in Ex version for processes in explosive environment.



### Metrology

- Operation range and logger length depending on the battery used:

Diam. 15 mm	Battery	Operation range	L. in mm
PVQ HT and PVQ HT Ex (250 hours for a 5 second-rate)	015M	From -40°C to +85°C	59 mm
PVQ HT (600 hours for a 5 second-rate)	015PW	From -40°C to +85°C	67 mm

- Overall calibration uncertainty :
  - In temperature..... +/- 0.1°C from 0°C to 80°C (+/- 0.05°C upon request)
  - ..... +/- 0.2°C from -30°C to 0°C
  - In humidity..... +/- 3 %HR (1% possible if Cofrac calibration)
  - The uncertainty corresponds to two standard deviations.*
- Resolution and noise:
  - In temperature..... 0.02°C
  - In humidity .....0.01 %HR
- Each logger can be calibrated and checked at the temperature points needed by the users.
- PicoVACQ HT cannot be used in steam autoclave.  
This logger is not watertight when exposed to liquids or steam.
- External material biocompatible: 316 L stainless steel.
- Temperature sensor: Pt1000
- Capacitive humidity sensor
- Memory capacity: 8 000 acquisitions by measurement channel
- Acquisition rate: from 1 second to 59 minutes and 59 seconds
- Programmable acquisition duration
- Programmable recording start from a date or on temperature threshold
- User replaceable battery
- Non volatile memory (EEPROM)
- Data transfer with a communication interface connected to the USB port.
- Operates under Windows® XP (SP3)/Vista/7

**NOTA :**  
An annual maintenance with our after-sale department is recommended for o-rings replacement, recalibration and adjustment.

### Technical specifications

### Software operating conditions



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