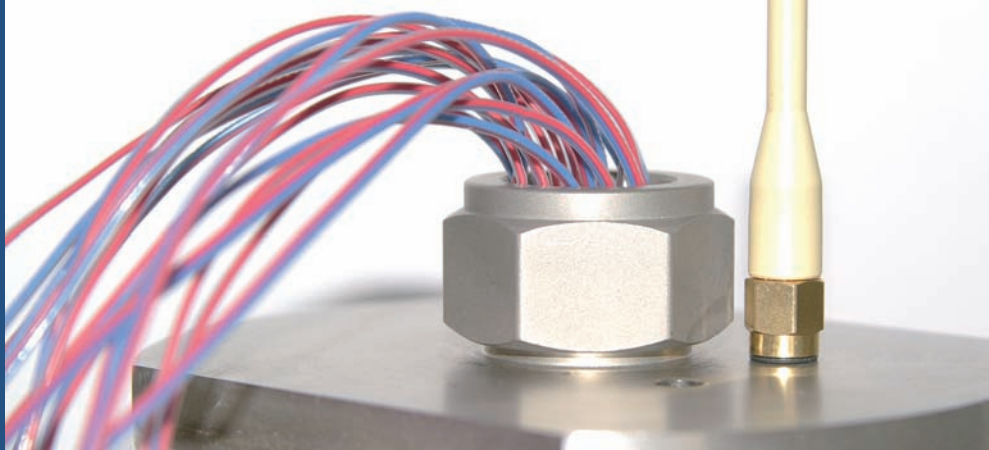


Temperature data logger

VACQ Autoclave



Measurement of temperature inside your thermal cycles under pressurized atmosphere with a real time thermocouple logger and/or transmitter.

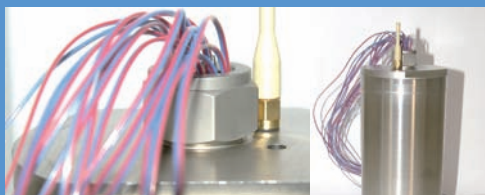
VACQ Autoclave

VACQ Autoclave is available with 8 or 16 thermocouple channels. It has been specially designed for autoclaves. Watertight up to 15 bar, it allows temperature measurement inside autoclaves for applications such as mapping or thermal process validation (sterilization, cooking, polymerization...)

- Up to 16 thermocouple channels and up to 3 internal reference channels

Radio option: real time visualization

VACQ Autoclave can transmit the collected data in real time using 2.4 GHz bandwidth. The data is directly displayed on your computer screen and can be saved in the logger memory simultaneously.



Metrology

- **Operation range**

from 0°C to 140°C (peaks at 150°C)

It is possible to adapt special thermal shields for temperatures over 140°C.

Thermal shields are manufactured according to cycle data (exposure duration, temperature, pressure, size...)

- **Measurement range**

according to thermocouple type (T or K), up to 1300°C

- **Resolution and noise**

≤±/-0,1%

Technical specifications



- **External material:** 316L Stainless steel

- **Minimum dimensions:**

Diameter 96 mm, height 250 mm

- Up to 16 connected thermocouples and up to 3 platinum sensors as reference channels for cold junction

- **Memory capacity:** 232 000 acquisitions, divided by number of channels.

- **Programmable acquisition rate:** minimum 1 second, maximum 59 minutes and 59 seconds.

- Programmable acquisition duration.

- Programmable recording start from date, hour, minute.

- User replaceable battery.

- Non volatile memory (EEPROM)

Requirements

- TMI-Orion QLEVER software required

- Data transfer with a communication interface connected to the USB port

- Operates under Windows® XP (SP3)/VISTA/7.

NOTA :

Annual maintenance and functional testing is recommended.