

Packaging distortion data logger

NanoVACQ Deformation

Measures the dimensional variations of packagings during thermal processes.

NanoVACQ Deformation and temperature enables the control of distortion of boxes, trays, pouches, cans or other types of packagings during thermal processes as cooking or sterilization for example.



Along with positioning kit.

Metrology

- Operating range: from 0 to 20 mm and from -30°C to 150°C.
 - Overall calibration uncertainty :
 - In temperature: +/- 0.1°C from 0°C to 140°C
 - In movement: +/- 0.1 mm from 0 to 20 mm
- The mentioned uncertainty corresponds to two standard variations.
- Each logger can be calibrated and checked at the temperature points corresponding to the users' needs.
 - Annual recalibration and checkup recommended

Technical specifications

- External materials biocompatible and sterilizable : 316 L stainless steel and PEEK
- Dimensions: height 39mm, diameter 31 mm + 23 mm of movement sensor
- Watertight up to 10 bar
- Inductive movement sensor
- Memory capacity: 24 000 acquisitions per measurement channels
- Acquisition rate: minimum 1 second, maximum 59 minutes and 59 seconds
- Programmable acquisition duration.
- Programmable recording start by date.
- High autonomy battery
- High temperature power supply replaceable by the user
- Non volatile memory (EEPROM)

Software operating conditions

- Data transfer with a communication interface connected to the serial or USB port.
- Operates under Windows® 98/Me/NT/2000/XP

