

Calibration certificate- temperature

SKU: 5906660327516



Key features

- ILAC Accredited calibration laboratory
- As a standard calibration is processed in one point: 5° C (possibility of another points)
- As a standard calibration certificate is issued in English (possibility of another language version)
- Meets the requirements of PN – EN ISO/IEC 17025:2018

Additional information

At the client's request, the laboratories we cooperate with can perform calibration at any points in the range -196 to +200°C and 0 to 99% RH. All measuring devices used in the calibration process are calibrated with reference to the standards of the Central Office of Measures.

As recommended, sensor calibration should take place either at two extreme points of the range in which the sensor will work (e.g. for sensors monitoring the temperature of vaccines 2°C and 8°C) or in the middle of this range (in the case of sensors monitoring the operation of refrigerators it will be 5°C). If the range in which the sensor will operate is relatively narrow, the calibration of the device at the point being the center of the range is sufficient. Therefore, for instance, sensors which monitor the operation of medical refrigerators in which vaccines are stored are calibrated at 5°C.

The humidity sensors should be calibrated in a similar way. For sensors working in room conditions, a humidity of 30-60% RH is assumed. Calibration should be performed at two extreme points of this range (30% and 60%) or around 40-45% RH.

The calibration process ends with the issue of a calibration certificate meeting the requirements of ISO / IEC 17025. The calibration certificate has no expiry date, it is only a confirmation of the accuracy of the calibrated device at the time of testing. The measuring elements used in Efento sensors are characterised by low drift (temperature sensor: <0.1°C per year, humidity sensor: <0.25% RH per year).