

Instructions for use of the HLP Probe & Infrared Thermometer Calibration Checker

Step 1: Remove both parts of the kit from case, (the sensor cup & the thermometer), plug the probe into the top of the thermometer. Push ON/OFF button to turn the meter on.

Step 2: Place the thermometer being checked near the calibration checker to ensure that all parts are at approximately the same temperature. Allow parts to acclimatise. For example, if the thermometer has been in hot or cold areas leave it for up to 20 minutes with the calibration checker so that they are all at approximately the same ambient temperature. If the ambient temperature is over 25°C then conduct the test inside an air-conditioned area and ensure that all parts are at the same temperature.

Step 3: Place the calibration checker thermometer probe into one of the holes on the side of the cup.

If checking an Infrared thermometer, place the lens of the IR thermometer into the cup pointing at the bottom. The closer the better and take your reading.

If checking a Probe thermometer, place the probe into the other hole provided on the side of the cup. Wait till the reading stabilises and then take your reading.

Step 4: Compare your reading with the display on the Calibration Checker. The readings should be within $\pm 1^\circ\text{C}$ of each other.

The Calibration Checker displays temperature to 0.01°C . IR thermometers usually display temperature to 1°C . So a reading of 20.90°C on the checker may show as 20°C on the IR thermometer. In this case the IR thermometer would be OK if the reading was between 19°C & 21°C . That is $20^\circ\text{C} \pm 1$ degrees C.

Step 5: Record the readings, time, date on the calibration record of the checked thermometer. We recommend that the IR and probe thermometers be checked each month. The calibration checker itself should be checked each 12 months.

Calibration Check:

Return to us for check against our NATA traceable unit and we will issue a Certificate of Calibration valid for 12 months.

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