

Infrared measurement with comparator cup

- Please note this is only for the testing of all instruments other than your master.
- You still need to send your master (KM21 or 106-T1) for a yearly calibration.



1. Fully insert the master thermometer probe (with red adjustment sticker) into a suitable hole* in the base of the comparator cup.
2. Leave the master thermometer for at least 60 seconds in order for the probe to stabilize to the temperature of the comparator cup.
3. Hold the infrared thermometer centrally & vertically over the opening of the comparator cup. (as shown below) The Topsafe will sit on top without falling into the comparator cup.
4. Now proceed to turn both instruments on & test them.
5. Whilst holding the **ON** button, hold the instrument steady & wait for them to stabilize, wait a maximum of 5 seconds before releasing the button.
6. Record the displayed readings from both instruments.
7. Minus or add the adjustment value indicated on the red sticker to the master thermometer's reading, then minus this value from the infrared thermometers reading to obtain the correction value,

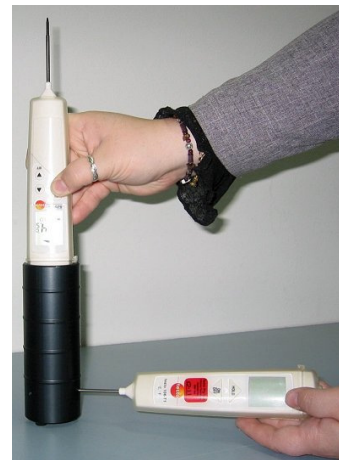
Example:

Readings:

Master thermometer:	25.5°C
Master adjustment value:	+0.05 (+0.1 after rounding)
Corrected Master value:	25.6°C
Infrared thermometer:	24.8°C
Correction Value:	+ 0.8°C

Or

Master thermometer:	24.8°C
Master adjustment value:	-0.05 (-0.1 after rounding)
Corrected Master value:	24.7°C
Infrared thermometer:	25.5°C
Correction value:	-0.8°C



Comparator cup in use.

***Please note there are three different diameter holes in the base of the comparator cup, the Large hole is for the KM21, the medium hole is for the 826-T3, testo Mini & Checktemp, the small hole is for 106-T1. Please do not force, jam or bend probe in to the comparator cup, as this will VOID your warranty.**

(For maximum accuracy, it is recommended that the comparator cup temperature is increased / decreased by 30k from ambient temperature)

Probe measurement with comparator cup

- Please note this is only for the testing of all instruments other than your master.
- You still need to send your master (KM21 or 106-T1) for a yearly calibration.



1. Fully insert the master thermometer probe (with red adjustment sticker) into a suitable hole* in the base of the comparator cup.
2. Leave the master thermometer for at least 60 seconds in order for the probe to stabilize to the temperature of the comparator cup.
3. Place other probe into one of the other holes in the bottom of the comparator cup, making sure it is an appropriate fit. (as shown below) Leave for at least 60 seconds so the probe can stabilize to the temperature of the comparator cup.
4. Now turn on both of the thermometers & proceed in testing the thermometers.
5. Hold the instruments steady and wait for the readings to stabilize. Press the **HOLD** button on both instruments & record the readings from both instruments.
6. Minus or add the adjustment value indicated on the red sticker to the Master thermometer's reading, Then minus this reading from the other probes reading to obtain the correction value.

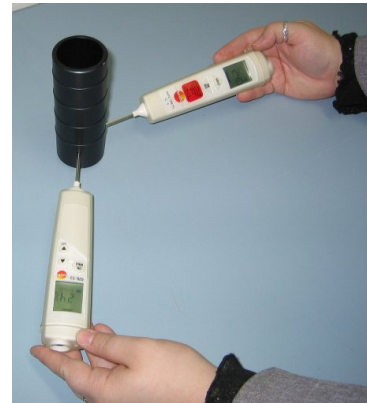
Example:

Readings:

Master thermometer:	25.5°C
Master adjustment value:	+0.05 (+0.1 after rounding)
Corrected Master value:	25.6°C
Other probe thermometer:	24.8°C
Correction Value:	+ 0.8°C

Or

Master thermometer:	24.8°C
Master adjustment value:	-0.05 (-0.1 after rounding)
Corrected Master value:	24.7°C
Other probe thermometer:	25.5°C
Correction value:	-0.8°



Comparator cup in use.

***Please note there are three different diameter holes in the base of the comparator cup, the Large hole is for the KM21, the medium hole is for the 826-T3, testo Mini & Checktemp, the small hole is for 106-T1. Please do not force, jam or bend probe in to the comparator cup, as this will VOID your warranty.**