



Use of Metrohm conductivity meter

- Switch on the device. 
- **Clean and dry the probe using a Kimtech: it must be perfectly dry and clean to have an accurate measurement.**
- **NB: always immerse the probe until the “hole” is completely submerged.**


Calibration check :

- Introduce the probe (clean and dry) into the conductivity standard at 100 μ S/cm (NB: use a new bag at least every 2 months).
- Wait for the measurement to stabilize and check the conductivity.
- The accepted conductivity is from **95 to 105 μ S/cm**.
- If the conductivity exceeds these values, calibrate the probe.

Conductivity meter calibration, if necessary!

- Check that the instrument is switched on.
- Thoroughly clean and dry the probe.
- Presse  : Immerse the probe in the conductivity solution at 100 μ S/cm.
- Presse  : Check that the data corresponds to the table below.

T °C	K μ S/cm	α 20 % / °C	α 25 % / °C
15	81.6	2.1	1.9
18	87.3	2.1	1.9
19	89.4	2.1	1.9
20	90.9	2.1	1.9
21	92.7	2.1	1.9
22	94.7	2.1	1.9
23	96.9	2.1	1.9
24	98.6	2.1	2.0
25	100.0	2.1	2.0
30	110.6	2.2	2.0
35	120.7	2.2	2.0
40	131.5	2.2	2.0
45	142.1	2.3	2.1
50	153.2	2.3	2.1

- Press  : the calibration is carried out.
- Rinse the conductivity probe with MiliQ water and gently remove the drops of water with Kimtech paper.

Analysis :

- Introduce the probe (clean and dry) into the solution to be measured.
- Wait for the measurement to stabilize and note the conductivity (note the unit of measurement !!).
- **Clean and dry the probe using a Kimtech: it must be perfectly dry and clean to have an accurate measurement.**

The probe must always be clean and dry before measurement.

NB: units change automatically between mS/cm and μ S/cm