

Quick manual- EP1400 EC en temperature

Measuring EC or temperature

EC
mS

1. Place the EC /temperature sensor in the to be measured liquid.
2. Press the **EC mS** or the **TEMP °C** button to turn on the instrument. Depending on the selection, the LED on the button of the chosen parameter will start to flash and the actual value appears on the display.
3. Wait until the value is stable and read it.
4. After measuring, rinse the sensor with demineralized water and store it dry.

TEMP
°C

Calibrating EC

EC
mS

~ 3.93
4.00

1. Place the EC sensor in the Nieuwkoop EC 4.00 mS/cm liquid.
2. Press the **EC mS** button to turn on the instrument.
3. Press and hold the **EC mS** button until **CAL** appears on the display. This is followed by the text **EC1**.
4. The reading on the display will start to flash and the **~ sign** will appear in the top left of the display. As long as it is visible, the instrument is calibrating. When the **~ sign** disappears and **4.00** is visible on the display, it means the instrument has finished calibrating.
5. Press and hold the **EC mS** button until the LED on the button will start to flash. The instrument is now calibrated.

Turning off the instrument

1. Press and hold the **EC mS** and **pH** buttons simultaneously to switch off the instrument.



Calibration video EP1400

Video take a soil sample



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Quick manual – EP1400 pH



NIEUWKOOP

Measuring pH

pH

1. Remove the storage bottle and place the pH sensor in the to be measured liquid.
2. Press the **pH** button to turn on the instrument. The LED on the button will start to flash and the actual value appears on the display.
3. Wait until the value is stable and read it.
4. After measuring, rinse the sensor with demineralized water and store it in the with KCl storage solution filled storage bottle for the pH sensor.

Calibrating pH

pH

~ 6.81

6.88

pH

~ 3.93

4.00

1. Remove the storage bottle from the pH sensor make it dry but do not touch the glass part while doing so. Place the sensor in the Nieuwkoop pH 6.86 liquid.
2. Press the **pH** button to turn on the instrument.
3. Press and hold the **pH** button until **CAL** appears on the display. This is followed by the text **PH1**.
4. The reading on the display will start to flash and the **~ sign** will appear in the top left of the display. As long as it is visible, the instrument is calibrating. When the **~ sign** disappears and **6.88** is visible on the display, it means the instrument has finished calibrating the first point.
5. Press the **pH** button to confirm this and the text **PH2** will appear on the display. Point 2 will now be calibrated.
6. Rinse the sensor with demineralized water and make it dry but do not touch the glass part while doing so. Now place the sensor in the Nieuwkoop pH 4.01 liquid.
7. The reading on the display will start to flash and the **~ sign** will appear in the top left of the display. As long as it is visible, the instrument is calibrating. When the **~ sign** disappears and **4.00** is visible on the display, it means the instrument has finished calibrating the second point.
8. Press and hold the **pH** button until the LED on the button starts to flash. The instrument is now calibrated.



Calibration video EP1400

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