



Quick guide for SPI Mobile

1 Measuring chlorine

Turn on the meter by pressing (✓) for 3 seconds, the meter starts up with the SPI logo and goes directly to the [Measure] menu.

Zero calibration:

1. Select the desired parameter [CHLORINE] with [↑] and [↓] and press 'enter' key (↵) or (✓).
2. The meter shows 'Zero press [V]' on the display.
3. Take two empty, clean cuvettes with a red mark and rinse them with the water to be measured.
4. Fill these two cuvettes with the water to be measured (blank) up to the first mark from the bottom of the cuvette.
5. Carefully dry the outside of the cuvette.
6. Place the cuvettes in both measuring channels with the mark facing you.
7. Then place the cap on both measuring channels.
8. Now press the [V] key to perform the zero calibration. The meter shows 'Zero...' on the display and after a few seconds '0.00' appears. The zero point has been set.



Note: If the zero point cannot be created, see Chapter 7 in the manual for tips and troubleshooting.

Measure free available chlorine:

1. Leave the cuvette in measuring channel 1 (with cap).
2. Remove the cuvette from measuring channel 2 and empty it.
3. Add 5 drops of "Start."
4. Add 5 drops of "DPD1."
5. Fill the cuvette to the first graduation mark (from the bottom) with the water to be measured.
6. Carefully dry the outside of the cuvette.
7. Place the cuvette in measuring channel 2 with the mark facing you.
8. Place the cap on measuring channel 2.
9. Read the value on the display within 10 seconds.

Measure total chlorine :

1. Leave the cuvette in measuring chamber 1 (with cap).
2. Rinse a cuvette with the green marking with the water to be measured.
3. Add 5 drops of "Total 2."
4. Add the (purple) solution of free chlorine you just measured.
5. Carefully dry the outside of the cuvette.
6. Place the cuvette in measuring chamber 2 with the mark facing you.
7. Place the cap on measuring chamber 2.
8. Press (↵) to start the timer and read the value on the display after 2 minutes.



Always place cuvettes with the vertical line towards the front in the hand meter and always use the closing caps

For cleaning the cuvettes it is best to use soft dry wipes!!!!

Reagent storage:

- DPD / START / TOTAL liquid: Is ready and is perishable.

For a detailed description, see the SPI Mobile manual!



Manual SPI MOBILE



2 Measure pH

Turn on the meter by pressing (✓) for 3 seconds, the meter starts up with the SPI logo and goes directly to the [Measure] menu.

Zero calibration:

1. Select the desired parameter [pH] with [↑] and [↓] and press 'enter' key (↵) or (✓).
2. The meter shows 'Zero press [V]' on the display.
3. Take two empty, clean cuvettes with a red mark and rinse them with the water to be measured.
4. Fill these two cuvettes with the water to be measured (blank) up to the first mark from the bottom of the cuvette.
5. Carefully dry the outside of the cuvette.
6. Place the cuvettes in both measuring channels with the mark facing you.
7. Then place the cap on both measuring channels.
8. Now press the [V] key to perform the zero calibration. The meter shows 'Zero...' on the display and after a few seconds 'Low' appears. The zero point has been set.



Note: If the zero point cannot be created, see Chapter 7 in the manual for tips and troubleshooting.

Measure pH:

1. Leave the cuvette with red marking in measuring channel 1 (with cap).
2. Fill the included measuring cup with 25 ml of water to be measured (Photo 1).
3. Use the pipette take 0.5 ml of Phenol Red liquid from the 100 ml Phenol Red bottle (Photo 2).
4. Add this 0.5 ml of Phenol Red to the measuring cup (Photo 3).
5. Screw the cap on the measuring cup (Photo 4).
6. Gently turn the measuring cup three times to ensure good mixing (Photo 5). Then fill the cuvette with the blue marking to the first graduation mark (from the bottom) with the liquid from the measuring cup (Photo 6).
7. Carefully dry the cuvette on the outside.
8. Place the cuvette in channel 2 with the cap with the mark facing you.
9. Read the value on the display (within 10 seconds)

Note:

If the measurement falls outside the meter's range, the meter will display the following:

[High] if the pH is > 8.0 (red)

[Low] if the pH is < 6.8 (yellow)

In this case, use a pH electrode to determine the correct pH value.



Always place cuvettes with the vertical line towards the front in the hand meter and always use the closing caps.

For cleaning the cuvettes it is best to use soft dry wipes!!!!

Reagent storage:

- PHENOL ROOD liquid: Is ready and is perishable. Store at room temperature.
- PEROXIDE COLOR liquid: Is ready and is perishable.

For a detailed description, see the SPI Mobile manual!

For PEROXIDE MEASUREMENT see SPI Mobile manual.



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