

## SETUP menu

### How to Enter in Setup Menu

Instrument OFF



Long press CAL Power on

instrument with 2 Buttons

### Controls



1 Slt Parameter Selection (only model 880836)

2 rSt Reset factory settings YES / NO

instrument with 3 Buttons

### Controls



1 0.71 TDS factor 0.40 ... 1.00 880842 - 880840

2 t.U Temperature Unit °C - °F

3 trE Reference temp. 20 / 25 °C 880842 - 880840 - 880838

4 1.9% Temp. coefficient 0.00 ... 4.00 % 880842 - 880840 - 880838

5 no Reset Yes - No

## DATASHEET

	Basic pH Pocket-Tester	Basic Conductivity/TDS Pocket-Tester	Advanced pH/ORP/Temperature Pocket-Tester	Advanced pH/mV/Temperature (Food) Pocket-Tester	Advanced Conductivity/TDS/Salt/Temperature Pocket-Tester	Advanced ORP/Temperature Pocket-Tester	Advanced pH/mV/Conductivity/TDS/Salt/Temperature Pocket-Tester	Advanced pH/mV/ORP/Conductivity/TDS/Salt/Temperature Pocket-Tester
Articlenumber	880835	880836	880844	880837 (880841)	880842	880845	880840	880838
Parameters	pH	Conductivity - TDS	pH - ORP - Temp	pH - Temp	Conductivity - TDS - Salt - Temp	ORP - Temp	pH - Conductivity - TDS - Salt - Temp	pH - ORP - Conductivity - TDS - Salt - Temp
pH measuring range	0 ... 14	-	-2 ... 16	-2 ... 16	-	-	-2 ... 16	-2 ... 16
Resolution	0.1	-	0.01	0.01	-	-	0.01	0.01
Relative accuracy	± 0.1	-	± 0.01	± 0.01	-	-	± 0.01	± 0.01
Points of calibration	1...2	-	1...3	1...3	-	-	1...3	1...3
Buffer auto recognition	3 USA Buffer	-	5 USA Buffer	5 USA buffer	-	-	5 USA buffer	5 USA buffer
Calibration points indication	YES	YES	YES	YES	YES	YES	YES	YES
Stability measurement indication	YES	YES	YES	YES	YES	YES	YES	YES
Electrode condition	-	-	YES	YES	-	-	YES	YES
mV (pH) measuring range	-	-	-1000 mv...+1000 mv	-1000 mv...+1000 mv	-	-	-1000 mv...+1000 mv	-1000 mv...+1000 mv
Resolution	-	-	0.1 / 1 mv	0.1 / 1 mv	-	-	0.1 / 1 mv	0.1 / 1 mv
mV (redox) measuring range	-	-	-1000 mv...+1000 mv	-	-	-1000 mv...+1000 mv	-	-1000 mv...+1000 mv
Resolution	-	-	0,1 / 1 mv	-	-	0,1 / 1 mv	-	0,1 / 1 mv
Calibration	-	-	1 point	-	-	1 point	-	1 point
Conductivity measuring range	-	0,01 µS ... 199,9 mS	-	-	0,01 uS...199,99 mS	-	0,01 uS...199,99 mS	0,01 uS...199,99 mS
Resolution	-	Automatic scale	-	-	Automatic scale	-	Automatic scale	Automatic scale
Relative accuracy	-	± 2 % full scale	-	-	± 2 % full scale	-	± 2 % full scale	± 2 % full scale
Calibration points Conductivity	-	1...2	-	-	1...3	-	1...3	1...3
Calibration standard recognition	-	1413 µS / 12.88 mS	-	-	84 µS/ 1413 µS/ 12.88 mS	-	84 µS/ 1413 µS/ 12.88 mS	84 µS/ 1413 µS/ 12.88 mS
Indication of calibration points	-	YES	-	-	YES	-	YES	YES
TC Temperature coefficient	-	0.00 ... 4.00% / °C	-	-	0.00 ... 4.00% / °C	-	0.00 ... 4.00% / °C	0.00 ... 4.00% / °C
TR Reference temperature	-	25 °C	-	-	20 / 25 °C	-	20 / 25 °C	20 / 25 °C
TDS measuring range	-	0.01 ppm ... 199,9 ppt	-	-	0,01 ppm ... 199,9 ppt	-	0,01 ppm ... 199,9 ppt	0,01 ppm ... 199,9 ppt
TDS Factor	-	0.40 ... 1.00	-	-	0.40 ... 1.00	-	0.40 ... 1.00	0.40 ... 1.00
Relative accuracy	-	±2 % reading value	-	-	±2 % reading value	-	±2 % reading value	±2 % reading value
Salinity measuring range	-	-	-	-	0,01 mg/l ... 100,0 g/l	-	0,01 mg/l ... 100,0 g/l	0,01 mg/l ... 100,0 g/l
Temperature measuring range °C	-	-	0 ... 60 °C	0 ... 60 °C	0 ... 60 °C	0 ... 60 °C	0 ... 60 °C	0 ... 60 °C
Resolution/ Accuracy	-	-	0.1 / ± 0.2 °C	0.1 / ± 0.2 °C	0.1 / ± 0.2 °C	0.1 / ± 0.2 °C	0.1 / ± 0.2 °C	0.1 / ± 0.2 °C
Auto off	YES, after 8 min. not used	YES, after 8 min. not used	YES, after 8 min. not used	YES, after 8 min. not used	YES, after 8 min. not used	YES, after 8 min. not used	YES, after 8 min. not used	YES, after 8 min. not used
Display	LCD	LCD	3 color backlit LCD	3 color backlit LCD	3 color backlit LCD	3 color backlit LCD	3 color backlit LCD	3 color backlit LCD
IP Protection	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
Battery life	> 300 Hrs	> 300 Hrs	> 200 Hrs	> 200 Hrs	> 200 Hrs	> 200 Hrs	> 200 Hrs	> 200 Hrs
Replaceable sensor	X	X	●	●	●	●	●	●

## MODELS



## pH calibration

## COND calibration

## ORP calibration

## DISPLAY

## BATTERIES

### 2 points calibration

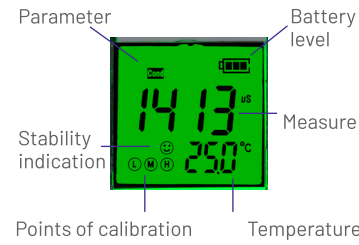
- Instrument **ON**
- 1 Press CAL
  - 2 Rinse with deionized water and dry
  - 3 Put the probe in buffer solution **pH 7,00**
  - 4 Wait for stability indication
  - 5 Press CAL to confirm
- 2nd point
- 6 Rinse with deionized water and dry
  - 7 Put the probe in buffer solution **pH 4,01**
  - 8 Wait for stability indication
  - 9 Press CAL to confirm
  - 10 Press ESC

### 2 points calibration

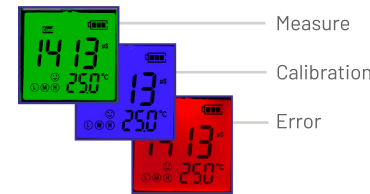
- Instrument **ON**
- 1 Press CAL
  - 2 Rinse with deionized water and dry
  - 3 Put the probe in buffer solution **1413 uS**
  - 4 Wait for stability indication
  - 5 Press CAL to confirm
- 2nd point
- 6 Press CAL
  - 7 Rinse with deionized water and dry
  - 8 Put the probe in buffer solution **12,88 mS**
  - 9 Wait for stability indication
  - 10 Press CAL to confirm

### Manual calibration on 1 point

- Instrument **ON**
- 1 Press CAL
  - 2 Rinse with deionized water and dry
  - 3 Put the probe in buffer solution
  - 4 Wait for stability indication
  - 5 Stable value starts blinking
- One way adjustment:**
- 6 Press MODE until you reach the right value.
  - 7 Press CAL to confirm the chosen value.

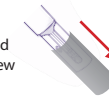


### DISPLAY colors

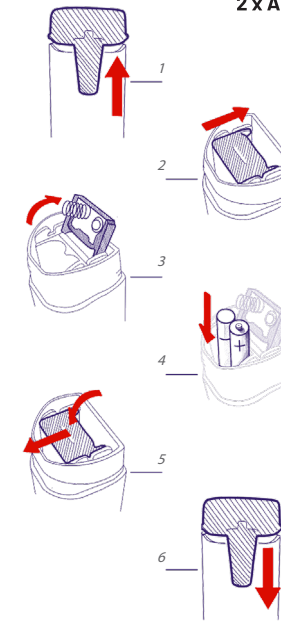


### REMOVE THE PROTECTION

The electrode is stored in a gummy protection cap. Remove it before using the tester, and place it back at the end, filled with new storage solution.



Neomeris Tester Works with normal and rechargeable batteries:  
**2 x AAA 1,5 V**

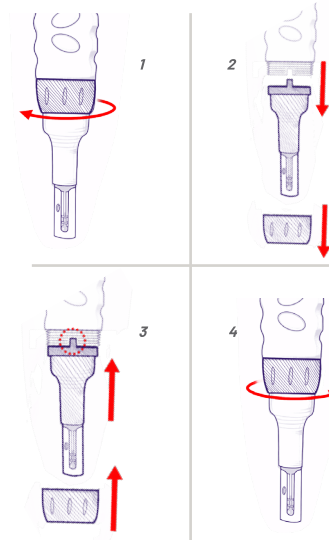


### ERRORS description

Error	Contents
E-r-1	Wrong pH buffer solution, or the recognition of calibration solution out of range. 1. Check the buffer solution is pristine. 2. Check the connections of the electrode. 3. Replace pH electrode with a new one.
E-r-2	Measure not stable. Wait for stability icon 😊
E-r-3	During calibration, the measuring value is not stable for ≥3min. 1. Check for air bubbles in glass bulb. 2. Replace pH electrode with a new one.
E-r-4	Electrode potential out of range <-60mV or >60mV
E-r-5	Electrode slope out of range <85% or >110% 1. Check for air bubbles in glass bulb. 2. Check the buffer solution is pristine. 3. Replace pH electrode with a new one.

### SENSOR replacement

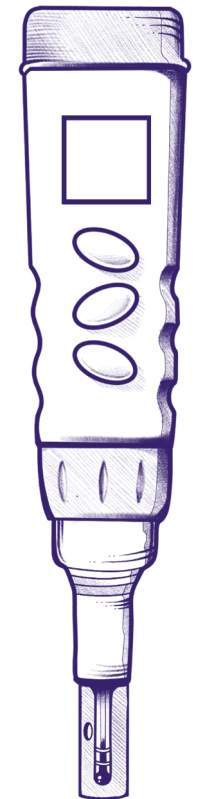
\*only for Advanced series



TRADITION UND ZUKUNFT AN IHRER SEITE  
TRADITION AND FUTURE BY YOUR SIDE

## POCKET TESTERS

### Quick Guide



- Press **ESC** to exit from the calibration, at any time.
- Store pH electrode in **STORAGE** solution
- **Do not** store pH electrode in **water**
- At the first use, replace the gel storage in the cap with the **liquid storage** solution.

### Temperature compensation:

Conductivity measures are automatically compensated in temperature. It is possible to change the reference temperature in the setup Menu.

- Store ORP electrode in **STORAGE** solution
- In calibration, to low the value, continue to press Mode button. The value increase, but after reaching the high limit (+75mV from the s.p.), it jumps to -75 mV from the starting point.