

USER MANUAL

SALT METER

PCE-SM 5 / 5C



ENGLISH



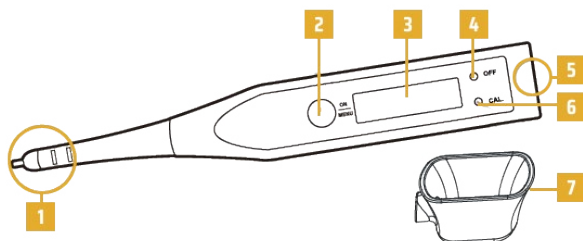
User manuals in various languages (français, italiano, español, português, niederlands, türk, polski) can be found via our product search on:
www.pce-instruments.com

FEATURES

- » High resolution
- » High-precision measurement
- » Large digital display
- » Replaceable battery
- » Audible warning when battery is low
- » Start and end of measurement

PRODUCT DESCRIPTION

- 1- Measuring probe
- 2- On/Off button / Menu button
- 3- LCD display
- 4- Off button
- 5- Battery compartment cover
- 6- Calibration button
- 7- Measuring cup



RDY flashes when ready to take a measurement

LOW flashes when the battery is low

MEAS flashes during the measurement

PRODUCT SPECIFICATION

Test principle	Electrical Conductivity Methods	
Salt test	Range	0,01% ... 5%
	Temperature	1 °C ... 99 °C (salt < 15%) < 50 °C (salt > 15%)
	Resolution	0,01 %
	Accuracy	0,1 %
Test conditions	5°C ... 60°C, test liquid temperature below 99°C	
Save function	Automatic switch-off after 60 seconds	
Temperature compensation	A.T.C	
Display range	LCD (backlit)	
Exit function	A beep at the start and end The backlight comes on after the measurement	
Battery reminders	Battery symbol is flashing	
Power supply	1.5V x 2 (AAA batteries)	
Waterproof	Yes	

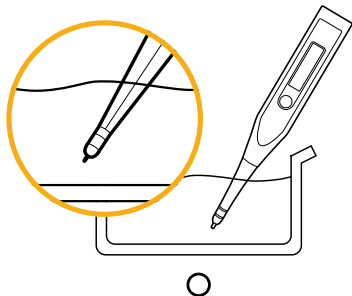
The data on the above page are theoretical values, which are obtained from our internal laboratory in a specific test environment (the solvent is pure water with no conductivity. The solute is 99.9% NaCl analytical pure, 1010kpa at the same standard atmospheric pressure, and the temperature is 25°C ± 3°C), which may cause The individual differences of products, software versions, use conditions and environmental factors are slightly different. Please refer to the actual use.

METHOD OF USE

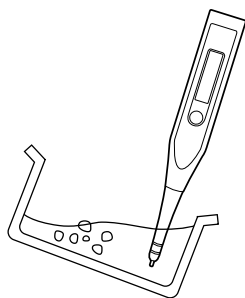
- » Press power key
- » RDY icon flicker
- » Put in testing water
- » MEAS icon flashes quickly and the test begins
- » Test end tone, backlight on to display test salt value (Unit:%) display -H,- indicates over range
- » After the test, press the power button to display the Na content (Unit: mg/100g)
- » Press again to display the temperature (Unit: °C)
- » Press again to turn off
- » Clear probe to get precise measurement, RDY icon is flashed when measurement is ready
- » Long press the CAL. key to enter calibration mode. The instrument has been calibrated at the factory. Please prepare saline standard solution for recalibration
- » OFF key shutdown
- » Use neutral cleanser to clear the probe and use soft cloth to dry keep dry when storage

MEASUREMENT PRECAUTIONS

For the first test, you need to clean the two metal half-rings on the front part of the probe with clean water, then wipe them with a paper towel or a soft cloth to remove any water droplets, and then carry out the test.

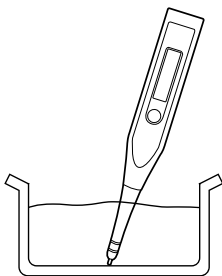


Hold the sensor probe 1 to 2 cm away from the bottom and the sides. It is sufficient for half of the probe to be covered. (Do not touch any residue in the liquid.)



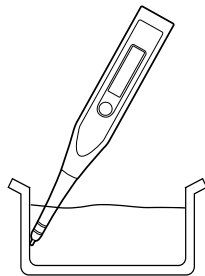
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If there isn't enough liquid in the bowl.



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The probe can also be tested by touching the floor.



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Do not touch the side wall of the sample

The metal part of the test probe must be completely immersed in the test liquid.

Other precautions

- » Test results for complex foodstuffs, where the actual sodium content may vary
- » There may be variations when testing liquids containing residues
- » There may be variations in foodstuffs containing oil components

STORAGE AND PRECAUTIONS

- » Unreliable near heaters, heaters and other hot objects
- » Avoid scalding when testing hot objects
- » Do not mix the rechargeable battery with other batteries
- » To prevent product failure, do not disassemble the product at will
- » If the product is dropped or impacted, there will be errors in the test
- » The sensor shall not be scratched, foreign matters or deformed, otherwise the test will have a large error, so it shall be kept properly
- » Clean the test nozzle with water and wipe it with soft cloth after use
- » Please unplug the battery when it is not used for a long time

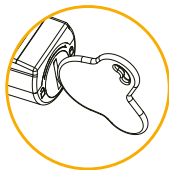
BATTERY REPLACEMENT

Time to replace (LOW battery symbol is flashing)

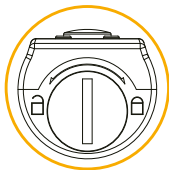
- » Although there is power, it is not sufficient to carry out the test accurately
- » The new battery does not work after insertion and must be reinserted
- » Even with new batteries, natural discharge may occur due to the long storage time; if the LOW symbol flashes, replace the batteries with new ones.

Battery replacement

- » Turn the battery cover anti-clockwise and remove the battery.
- » Insert the two positive terminals of the AAA battery facing outwards
- » Refer to the illustration below and, after pressing, turn them clockwise to align with the correct position
- » Note: To prevent damage to electronic products, it is essential to insert the terminals correctly before use.



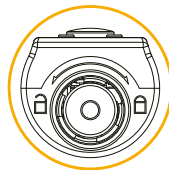
Use the key to open the battery cover



close



open



without cover

DISPOSAL

For the disposal of batteries in the EU, the (EU) 2023/1542 directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.

PCE INSTRUMENTS CONTACT INFORMATION

Germany

PCE Deutschland GmbH
Im Langel 26
D-59872 Meschede
Deutschland
Tel.: +49 (0) 2903 976 99 0
Fax: +49 (0) 2903 976 99 29
info@pce-instruments.com
www.pce-instruments.com/deutsch

France

PCE Instruments France EURL
23, rue de Strasbourg
67250 Soultz-Sous-Forêts
France
Téléphone: +33 (0) 972 3537 17
Numéro de fax: +33 (0) 972 3537 18
info@pce-france.fr
www.pce-instruments.com/french

Spain

PCE Ibérica S.L.
Calle Mula, 8
02500 Tobarra (Albacete)
España
Tel. : +34 967 543 548
info@pce-iberica.es
www.pce-instruments.com/espanol

United Kingdom

PCE Instruments UK Ltd
Trafford House
Chester Rd, Old Trafford
Manchester M32 0RS
United Kingdom
Tel: +44 (0) 161 464902 0
Fax: +44 (0) 161 464902 9
info@pce-instruments.co.uk
www.pce-instruments.com/english

Italy

PCE Italia s.r.l.
Via Pesciatina 878 / B-Interno 6
55010 Loc. Gragnano
Capannori (Lucca)
Italia
Telefono: +39 0583 975 114
Fax: +39 0583 974 824
info@pce-italia.it
www.pce-instruments.com/italiano

Turkey

PCE Teknik Cihazları Ltd.Şti.
Halkalı Merkez Mah.
Pehlivan Sok. No.6/C
34303 Küçükçekmece - İstanbul
Türkiye
Tel: 0212 471 11 47
Faks: 0212 705 53 93
info@pce-cihazlari.com.tr
www.pce-instruments.com/turkish

The Netherlands

PCE Brookhuis B.V.
Twentepoort West 17
7609 RD Almelo
Nederland
Telefoon: +31 (0)53 737 01 92
info@pcebenelux.nl
www.pce-instruments.com/dutch

United States of America

PCE Americas Inc.
1201 Jupiter Park Drive, Suite 8
Jupiter / Palm Beach
33458 FL
USA
Tel: +1 (561) 320-9162
Fax: +1 (561) 320-9176
info@pce-americas.com
www.pce-instruments.com/us

Denmark

PCE Instruments Denmark ApS
Birk Centerpark 40
7400 Herning
Denmark
Tel.: +45 70 30 53 08
kontakt@pce-instruments.com
www.pce-instruments.com/dansk