

USER MANUAL

SALT METER

PCE-SM 5



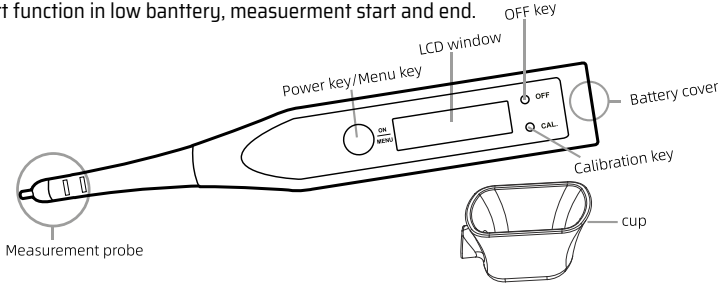
ENGLISH



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

PRODUCT DESCRIPTION

High resolution, High precision measurement, Large screen digital display, Replaceable battery
Sound alert function in low battery, measurement start and end.



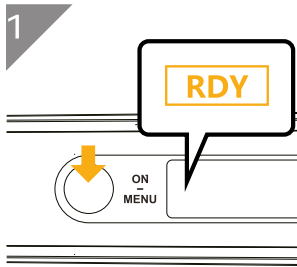
- RDY** flash when ready to measurement
- LOW** flash when low battery
- MEAS** flash in measurement

PRODUCT SPECIFICATION

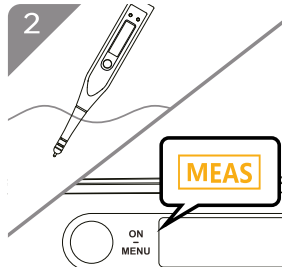
Testing principle		Electrical conductivity Methods
salt testing	range:	0.01% ... <input type="checkbox"/> 5.00% <input type="checkbox"/> 10.00% <input type="checkbox"/> 15.00% <input type="checkbox"/> 26.00%
	Temperatur:	1 °C ... 99°C (salt < 15%); < 50°C (salt > 15%)
	resolution:	0 ... 19.99% (0.01%); ≥ 20% (0.02%)
	accuracy:	0.01 ... 1.99% (±0.05%); 2.00 ... 5.00% (±0.1%) 5 ... 10% (±0.3%); 10 ... 20% (±0.5%); 20% ... 26% (±2%)
testing condition		5°C ... 60°C, Test liquid temperature below 99°C
Saving function		Power off after 60 seconds
Temperature compensation		A.T.C
Display area		LCD (with backlight)
Finish function	Buzzer tone: <input type="checkbox"/> LOW	Start once, end once Backlight on after measurement
Battery reminders		Icon flicker
Power Supply		1.5V x 2EA (AAA type battery)
waterproof		Life waterproof

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 $25\text{ }^{\circ}\text{C} \pm 3\text{ }^{\circ}\text{C}$), which may cause The individual differences of products, software versions, use conditions and environmental factors are slightly different. Please refer to the actual use.

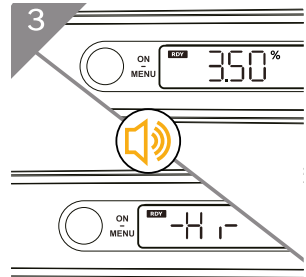
USING METHOD



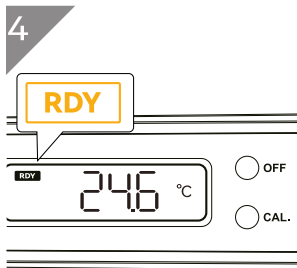
Press power key
(**RDY** Icon flicker)



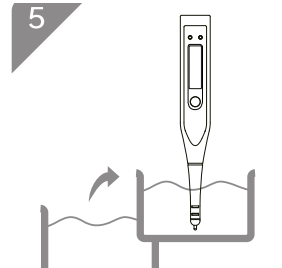
Put in testing water
(**MEAS** The icon flashes quickly and the test begins)



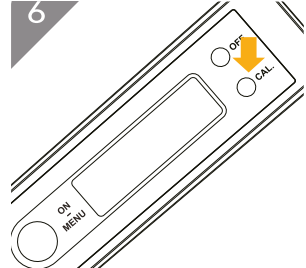
Test end tone, backlight on to display test salt value (Unit:%)
display -H- indicates over range



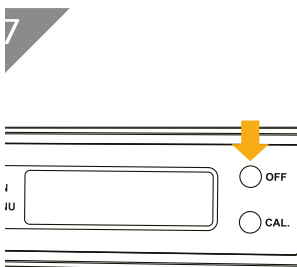
After the test, press the power button to display the Na content (Unit:mg/100g) Press again to display the temperature (Unit: °C) Press again to turn off



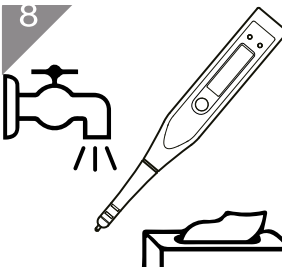
Clear probe to get precise measurement. (**RDY** icon is flashed when measurement is ready



Drücken Sie lange auf die Taste CAL., um den Kalibrierungsmodus aufzurufen. Das Gerät wurde werkseitig kalibriert. Bitte bereiten Sie eine Kochsalzlösung als Standardlösung für die Neukalibrierung vor.



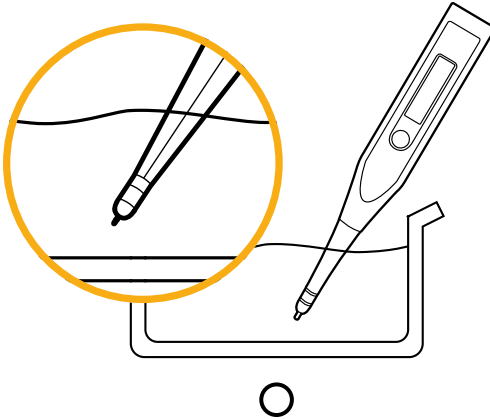
OFF key shutdown



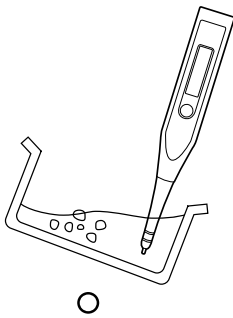
Use neutral cleanser to clear the probe and use soft cloth to dry keep dry when storage

MEASUREMENT PRECAUTIONS

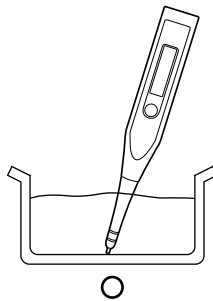
For the first test, in order to ensure the accuracy of the test, it is necessary to clean the two metal half rings of the front probe part, which can be cleaned with clean water, then wiped with paper towel or soft cloth to clean the water drops, and then tested.



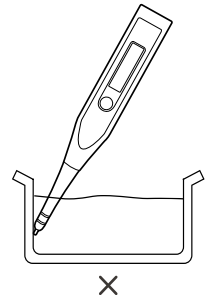
Keep the sensor probe away from the bottom and the side spacing 1 ... 2cm, put on half of probe is ok.
(※ Do not touch the residue in the liquid.)



when liquid is not enough
lean the bowl.



the probe can also be tested
by touching the bottom.



Do not touch the probe
sidewall

» **The metal part of the test probe must be completely in the test liquid**

» **Other precautions**


- 1) Test results of complex food when the actual amount of Na may be different
- 2) There may be difference in testing the liquid with residue
- 3) There may be difference in the food with oil ingredients

STORAGE AND PRECAUTIONS

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

BATTERY REPLACEMENT TIME AND METHOD

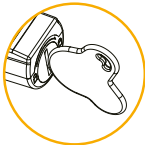
» Replacement time Icon flicker

- 1) Although there has electricity but the current is not enough to lead to the test is not accurate
- 2) The new battery does not work after insertion and needs to be reinsert
- 3) The new battery may also lead to natural discharge due to long circulation time, when  icon flash, replace the new battery at this time.

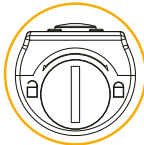
» Replacement method

- 1) Turn the battery cover anticlockwise and remove the battery
- 2) Install the two "+" poles of AAA battery outward
- 3) Refer to the „open“ figure below, and rotate clockwise after pressing in alignment with the position

Note: in order to prevent damage to electronic products, it is necessary to set "+" "-" extremely accurately before use



use key to open the battery cover



close



open



the status of open

DISPOSAL

For the disposal of batteries in the EU, the 2006/66/EC 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

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

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

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

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

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

Spain

PCE Ibérica S.L.
Calle Mula, 8
02500 Tobarra (Albacete)
España
Tel.: +34 967 543 548
Fax: +34 967 543 542
info@pce-iberica.es
www.pce-instruments.com/espanol

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

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

Subject to change without notice