

pHdialysCheck

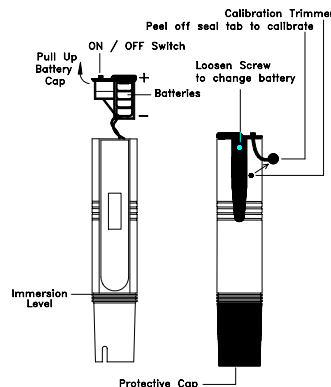
HIGH ACCURACY ELECTRO-CHEMISTRY TEST PEN

OPERATION MANUAL

Range	: 0.0 to 14.0 pH
Resolution	: 0.1 pH
Accuracy	: ± 0.2 pH
Battery	: 4 x 1.5V button cell (Alkaline A76 or equivalent)
Battery life	: Approx. 300 hours (continuous)
Auto Shut-off	: Approx. 15 minutes
Operating temperature	: 0° to 50°C
Size (LxWxH)	: 170 x 32 x 15mm
Weight	: Approx. 70 gm

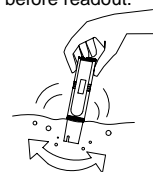
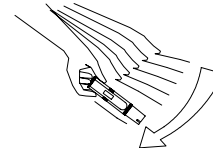
SPECIFICATIONS

PRODUCT LAYOUT



MAKING MEASUREMENT

1. Remove protective cap from bottom (See product layout)
2. To switch on the unit, slide the 'ON/OFF' switch located on top of the tester to 'ON'. If the unit was automatically shut off, depress twice to switch on.
3. Shake tester with a snap motion as shaking of a mercury thermometer before each test.
4. Dip tester into sample solution up to the immersion level. Shake the sensor area in solution to remove bubbles and wait for about a minute before readout.
5. If the sensor is dry, a slow response will result. Dip the sensor area in a cup of water or preferably pH7 calibration solution for 1-2 hours before testing again.
6. Always rinse the sensor area with water and blot it dry before and after each test.
7. Switch off the tester and replace protective cap before storing away.



NOTES ON MEASUREMENT

All pH sensors measure the hydrogen ion activity in solution, but if a solution is not stable, (e.g. tap water immediately taken from the tap) an erroneous reading may be resulted. This is because water contains other active substance like chlorine, which interferes with the hydrogen ion activity. To maintain an accurate reading, take measurement only from water left overnight. Avoid measuring in moving water or solution. Scoop water in a cup for measurement if possible.

In the presence of certain radio transmitters, this product may produce erroneous readings. If this occurs then measurements should be repeated at another location.

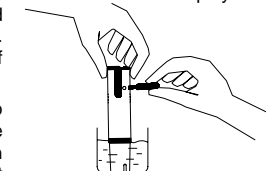
CALIBRATION

Your tester is factory calibrated. It is recommended to re-calibrate regularly to maintain the desired accuracy of the unit.

1. Remove protective cap and rinse sensor area with water.
2. Shake tester with a snap motion as shaking of a mercury thermometer before each calibration.
3. Dip sensor area in pH7 solution.
4. Use pH7.00 buffer solution for calibration.

Order Code : 7010

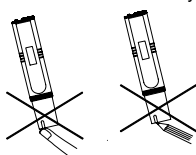
5. Shake the sensor area in solution to remove bubbles and wait for reading to stabilize.
6. Remove the rubber seal tab and use the provided small screw driver, locate the "Calibration trimmer" at the back of the tester and tune the display to read 7.0



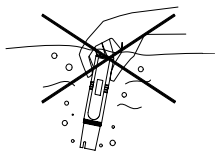
7. Replace seal tab and rinse sensor with tap water.
8. Calibration is completed.

PRECAUTIONS IN HANDLING

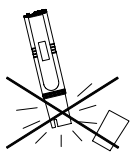
Do not touch, rub or scratch the sensor. It is very delicate and might break or lose sensitivity.



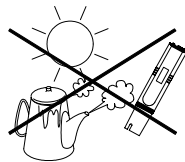
Do not submerge the unit underwater. Though the unit is splash proof and water resistant, it cannot come under high pressure underwater and is beyond repair if water get in unit. If dropped into water, retrieve immediately and wipe dry with a cloth.



Do not store unit without the protective cap. Chemical in the unit will expire faster and thus shortening usage life span.



Do not store unit under high temperature or direct sunlight. This will shorten the life span of the product.




Do not clean unit with thinner or solvents. This will damage the unit. Use only a damp cloth to clean unit if needed.



MAINTENANCE

LOW BATTERY ALERT

- When the battery symbol  appear on the display, this indicates a low battery and only 2 hours of continuous use remain. Though the unit may continue to function, the accuracy of the unit will be affected beyond the 2 hours.

BATTERY CHANGE

- To change batteries, loosen screw from back of unit and pull out the battery case from top of unit (see layout). Replaces all four batteries accordingly and replace screw.

- Keep in mind that all pH sensor age with time and usage. Therefore, re-calibration is necessary to maintain accurate reading.
- If unit is not used or stored for a long period of time, the sensor will become dry. This will result in slow response to a stable reading. Soak the sensor area in a cup of tap water or preferably pH7 solution for 1-2 hours will restore sensitivity of the sensor.

Note that the pH sensor have a limited life span of about a year. When the unit fails to calibrate or response very slowly, it means that the unit should be replaced. It is not possible to repair broken, defective or expired unit.

OTHER APPLICATIONS

- Water pollution control
- Pool & Spa maintenance
- Aquariums and Aqua-culture
- Hydroponics
- Plating industry
- Cooling tower & Boilers
- Photographic Lab.
- Beauty care products

OTHER PRODUCTS

Order Code	Range
pH Pro	: 0.00 ~ 14.00 pH
REDOX PAL	: -999 ~ +999mV
TDS 1 (x10)	: 10 ~ 1,990ppm
TDS 2 (x100)	: 100~10,000ppm
TDS 3 (x10)	: 10 ~ 1,990 μ s
TDS 4 (x100)	: 100 ~ 19,900 μ s
WATER PAL	: 0 ~ 800ppm
WATER PRO	: 0 ~ 9990ppm
PureWaterPAL(ppm)	: 0.0 ~ 99.9ppm
PureWaterPAL (μ S)	: 0.0 ~ 99.9 μ s
TDS Check (Direct display)	: 10 ~ 1990 ppm
EC Check	: 0.0 ~ 10.0 EC
cF Check	: 0 ~ 100 Cf
DialysateCheck	: 0.0 ~ 19.9mS