SX610 pH Pen Tester Instruction Manual

1. Brief Introduction

Thank you for purchasing APERA INSTRUMENTS SX610 pH Pen Tester. This tester is featured with reliable measuring performance with a single-button operation in a slim body. A cost-effective choice for your regular pH testing, including hydroponics, aquaculture, water treatment, pools& spas, brewing, and so on. The pH probe is replaceable and suitable for test tube measuring and other small-volume sample testing, such as saliva and urine.

2. Specifications

1) pH Range: 0 to 14.0 pH
2) Resolution: 0.1 pH
3) Accuracy: ± 0.1 pH, ±1 digit
4) Automatic calibration: 1-point calibration (pH 7.00)
5) Power: CR2032 Cell Batteries
6) Dimension and Weight: 148*29*14mm/49g
7) Waterproof rating: IP57

3. Instructions

1) Calibration: Rinse the probe in distilled water and dry it. Dip the probe in the standard buffer solution pH7.00. Stir gently, hold still, and wait for the reading to become stable. Then press the CAL button for about two seconds until **CAL** appears on the screen. When the calibration value **7.0** flashes, the calibration will finish after several seconds, and the meter will return to measurement mode and the icon Ⓜ will appear on the screen.

2) Measurement: Rinse the probe in distilled water and dry it. Dip the probe in the sample solution. Stir gently and wait until you receive a stable reading. as

3) After measurement, rinse the probe with distilled water, dry it, and put the protection cap back on. It's a good practice to pour a bit storage solution that comes with kit into the protection cap when storing the meter, since it will help keep the accuracy of the pH probe.

4) Temperature Unit Switch: When meter is turned off, hold the CAL button until the meter reboots and then the temperature unit will be switched (˚C–˚F)

4. Notes

1) The instrument can be continuously used for 1 to 2 weeks (or longer) after calibration.
2) To ensure the reliability of calibration, pH standard buffer solution should be replaced once it becomes contaminated.
3) Maintenance is necessary for the head of the probe because it can become contaminated after long-term use. To do the maintenance, wash the bulb and surrounding area with a small soft brush (with soap water if necessary). Then rinse the bulb with distilled water, and re-conduct calibration after several hours.
4) The typical service life of the pH electrode is about 12 months. When the icon "Err" appears on the screen, or the accuracy or response speed cannot meet your demand, please replace a new probe. The replacement probe's model number is SX615. Please go to support.aperainst.com to watch a tutorial video for how to replace the pH probe.
5) The instrument will turn off automatically after 10 minutes if no operation.
6) Replace the batteries when ▭ appears on screen.

5. Warranty

We warrant this instrument to be free from defects in material and workmanship and agrees to repair or replace free of charge, at option of APERA INSTRUMENTS, LLC, any malfunctioned or damaged product attributable to responsibility of APERA INSTRUMENTS, LLC for a period of **two years** from the delivery (a **six-month** limited warranty applies to electrodes). Warranty period is the time limit to provide free service for the products purchased by customers, not the service life of the tester or electrodes.

This limited warranty does not cover any damages due to:

i. transportation;
ii. storage;
iii. improper use;
iv. failure to follow the product instructions or to perform any preventive maintenance;
v. modifications;
vi. combination or use with any products, materials, processes, systems or other matter not provided or authorized in writing by us;
vii. unauthorized repair;
viii. normal wear and tear; or
ix. external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

APERA INSTRUMENTS, LLC
Address: 6656 Busch Blvd, Columbus Ohio 43229
Tel: 1-614-285-3080
Email: info@aperainst.com
Website: www.aperainst.com