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Palintest SP 610

Palintest Pooltester SP 610 Instruction Manual

Model: SP 610

INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of the Palintest Pooltester SP 610. This device is designed for accurate and reliable measurement of chlorine and pH levels in swimming pools, hot tubs, and spas.



Figure 1: Palintest Pooltester SP 610 kit showing the blue storage case, the transparent test block with color scales, and blister packs of reagent tablets.

PACKAGE CONTENTS

Verify that all components are present in your Palintest Pooltester SP 610 kit:

- Splash-proof storage case
- Testing block with integrated color scales
- DPD1 tablets (20x) for Free Chlorine measurement
- Phenol Red pH tablets (20x) for pH measurement
- Instruction leaflet



Figure 2: Contents of the Pooltester SP 610 kit, including the blue case, test block, reagent tablets, and instruction leaflet.

SETUP

The Palintest Pooltester SP 610 is designed for immediate use with minimal setup. Ensure you have a clean, well-lit area for testing.

1. **Unpack Components:** Carefully remove the testing block, reagent tablets, and instruction leaflet from the splash-proof case.
2. **Familiarize Yourself:** Review the instruction leaflet provided with the kit to understand the color scales and measurement procedures.



Figure 3: The blue storage case for the Pooltester SP 610, designed to protect the test block and tablets.

OPERATING INSTRUCTIONS

Follow these steps for accurate measurement of chlorine and pH levels:

1. **Rinse Test Block:** Before each use, rinse the test block thoroughly with the water to be tested.
2. **Fill Test Block:** Dip the test block into the pool, spa, or hot tub water to be tested, ensuring both chambers are filled to the marked line. Avoid touching the inside of the chambers.
3. **Add Reagents:**
 - For **Chlorine (Cl₂)** measurement (right chamber): Add one DPD1 tablet. Do not touch the tablet with your fingers.
 - For **pH** measurement (left chamber): Add one Phenol Red pH tablet. Do not touch the tablet with your fingers.
4. **Dissolve Tablets:** Place the lid on the test block and gently shake until the tablets are completely dissolved and the color has developed. This usually takes a few seconds.
5. **Read Results:** Hold the test block against a white background in good natural light. Compare the color in each chamber with the corresponding color scale on the test block. Read the value that most closely matches the developed color.
 - **Chlorine (Cl₂) Range:** 0.1 - 6.0 mg/l
 - **pH Range:** 6.8 - 8.2



Figure 4: The transparent test block with distinct color scales for pH (left) and chlorine (right) measurements.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Pooltester SP 610:

- **Cleaning:** After each use, thoroughly rinse the test block with clean tap water. Do not use abrasive cleaners or brushes, as these can scratch the plastic and affect readings.
- **Drying:** Allow the test block to air dry completely before storing it in the case.
- **Storage:** Store the Pooltester and reagent tablets in a cool, dry place, away from direct sunlight and extreme temperatures. Keep tablets in their original blister packaging until ready for use to protect them from moisture and contamination.
- **Reagent Expiry:** Check the expiry date on the reagent tablet packaging. Expired tablets may give inaccurate results.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate readings	Expired reagents, contaminated test block, improper tablet dissolution, incorrect water sample.	Use fresh reagents. Clean test block thoroughly. Ensure tablets fully dissolve. Collect water sample from appropriate depth away from jets.
Tablets not dissolving	Insufficient shaking, old tablets.	Shake the test block more vigorously. Check tablet expiry date and replace if necessary.

Problem	Possible Cause	Solution
Color does not develop	Missing tablet, incorrect tablet type, expired tablet.	Ensure a tablet is added to each chamber. Verify correct tablet type (DPD1 for chlorine, Phenol Red for pH). Use fresh tablets.

SPECIFICATIONS

Parameter	Value
Model Number	SP 610
Brand	Palintest
Chlorine (Cl2) Measurement Range	0.1 - 6.0 mg/l
pH Measurement Range	6.8 - 8.2
Product Dimensions	1.38 x 3.54 x 1.57 inches
Weight	3.53 ounces
Recommended Uses	Pools, spas, hot tubs, Jacuzzis

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or to purchase additional reagent tablets, please contact Palintest customer service or visit their official website. Refer to the contact details provided in the original product packaging or on the manufacturer's website.

Note: This manual provides general guidance. Always refer to the specific instructions included with your product for the most accurate and up-to-date information.

