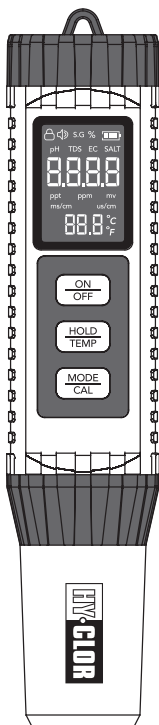




# 7 IN 1 MULTI TEST PEN



## OPERATION MANUAL

VERSION 1.4  
SUITS: HYCPROBE7IN1

# Carton Contents



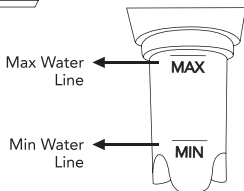
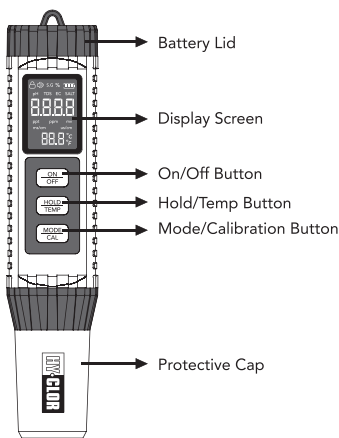
1 x Hy-Clor  
Digital 7 in 1  
Multi Pool tester



3 x pH  
Calibration  
sachets



1 x Operation  
Manual

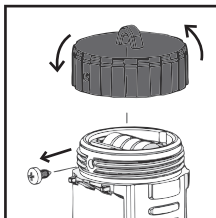


## Battery Installation:

(4 x LR44 Batteries)  
Pay attention to  
positive and negative  
direction

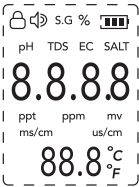
### First Use :

Remove battery  
Isolation tab by  
unscrewing the cap  
and then pulling the  
isolation tab out



# Display Screen

\* Screen will sleep after 5 minutes.



| SYMBOL   | TEST      | DESCRIPTION                                                       |
|----------|-----------|-------------------------------------------------------------------|
|          | All       | Hold function enabled                                             |
|          | N/A       | Battery level                                                     |
| %        | Salt      | Salt expressed as a percentage                                    |
| S.G      | Salt      | Specific Gravity                                                  |
| SALT     | Salt      | Salt test                                                         |
| EC       | EC        | Electrical Conductivity expressed as either us/cm or ms/cm        |
| TDS      | TDS       | Total Dissolved Solids expressed as either PPM or PPT             |
| pH       | pH        | pH level in water                                                 |
| ppt      | TDS, SALT | PPT (Parts per Trillion)                                          |
| ppm      | TDS, SALT | PPM (Parts Per Million)                                           |
| mv       | ORP       | Oxidation Reduction Potential (Millivolts) Chlorine effectiveness |
| us/cm    | EC        | Millisiemens per centimetre                                       |
| ms/cm    | EC        | Microsiemens per centimetre                                       |
| °C<br>°F | Temp      | Hold the HOLD/TEMP button to swap between Celsius and Fahrenheit  |

## How to use the Digital Water Tester

1. Take a water sample from elbow depth in the pool. Avoid using surface water.
2. Dip the tester into the sample between the minimum and maximum water levels.
3. Leave the tester in water for 2 minutes before turning it on.
4. Press ON/OFF.
5. Select the testing mode.
6. Wait up to 10 seconds for the reading to settle.
7. Record the result.
8. Test other modes if needed by repeating steps two to six.
9. Turn the tester off.
10. Dry the electrodes and clean with distilled water regularly.
11. Recalibrate if readings seem incorrect.



# What the Pool Tester Measures

## SALT

Salt in pool water is the amount of sodium chloride dissolved in the water.

It's usually measured in PPM but can also be shown as a percentage (%) or specific gravity (S.G.), which means how dense the water is compared to pure water.

Keeping the right salt level helps the chlorinator produce chlorine.

## TDS

TDS measures everything dissolved in the pool water like salt, minerals, and other things. TDS is always higher or equal to the salt level, because it includes more than just salt. If TDS is drastically higher than the salt level, it could mean too many minerals or other elements are in the water that may cause problems.

## PH

pH measures how acidic or alkaline the pool water is.

Above 8.0: water is too alkaline, and chlorine is less than 10% effective.

Below 7.0: water is too acidic.

Aim for a pH of 7.2 to 7.6 for the best results.



## ORP

ORP (Oxidation-Reduction Potential) shows how well your chlorine is working, not how much is in the water.

It's measured in millivolts (mV) and tells you how well the water can kill germs and algae.

Most pools should aim for 650 to 750 mV. A lower reading means the chlorine might not be doing its job.

## E.C.

E.C (Electrical Conductivity) for saltwater pools is usually between 3000 – 6000  $\mu\text{S}/\text{cm}$ . If it's below 500, it may cause corrosion. If it's above 6000, it can cause scaling and equipment issues.

## PRECAUTIONS

Soak the probe in distilled water for 2 minutes before first use and before any calibration.

1. Recalibration is needed if:
  - The tester hasn't been used for a long time
  - It's being used very frequently
  - The calibration button was pressed by mistake
2. If calibration is done in the air or with the wrong solution, the display will show "ERR".
3. When the tester is turned on, it is normal for readings to fluctuate in the air.
4. The tester uses a modular design. The probe is removable and replaceable.
5. Contact Hyclor for replacement probes.
6. Always use the protective cover. If the sensor dries out, it may require recalibration or soaking in distilled water.



7. To factory reset, press and hold both the **Hold/Temp** and **Mode/Cal** buttons for 3 seconds.
8. After resetting, recalibration may be required.
9. Hold the **Hold/Temp** button for 3 seconds to change temperature units.

## Product Specifications

| PARAMETERS | RANGE                                                    | RESOLUTION      | ACCURACY<br>(WHEN CALIBRATED REGULARLY) |
|------------|----------------------------------------------------------|-----------------|-----------------------------------------|
| EC         | 0-9999us/cm, 10-400ms/cm (effective range is 1-200ms/cm) | 1us/cm 0.1ms/cm | ±2%FS                                   |
| TDS        | 0-9999 ppm 10-200 ppt (effective range is 1-100ppt)      | 1ppm – 0.1ppt   | ±2%FS                                   |
| SALT       | 0-9999 ppm / 10-200ppt                                   | 1ppm – 0.1ppt   | ±2%FS                                   |
| SALT %     | 0.1 % - 25%                                              | 0.10%           | ±2%FS                                   |
| S.G        | 0~1.222                                                  | /               | /                                       |
| ORP        | ± 990 mv                                                 | 1mv             | ±2mv                                    |
| PH         | 0-14.0 pH                                                | 0.01pH          | 0.05pH                                  |
| TEMP       | 0-60 °C / 32-140 °F                                      | /               | ±0.5°C                                  |

# How to Calibrate the Device

The pool tester comes pre-calibrated from the factory. However, it might need to be done if the unit has not been used in a long while, used frequently or not cleaned correctly. If the probe is replaced a calibration is required.

Before calibration soak the unit in distilled water before turning it on.

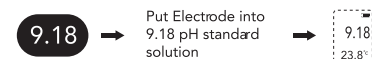
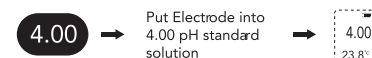
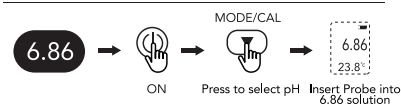
Hy-Chlor provides the PH powders to be used once, however EC powders are not provided.

## pH Calibration

Use 250ml of distilled water and the powder solution. Make sure its mixed thoroughly. Do not mix powders.

1. Perform a 6.86 pH calibration first then others if required.

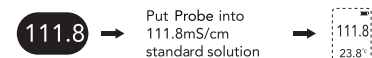
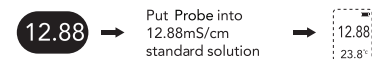
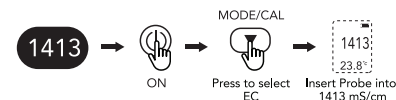
### pH CALIBRATION

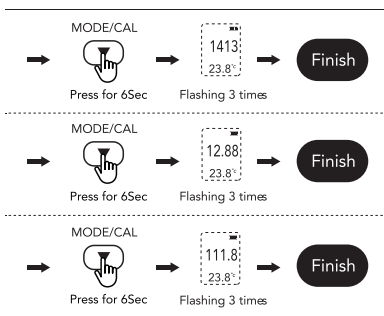
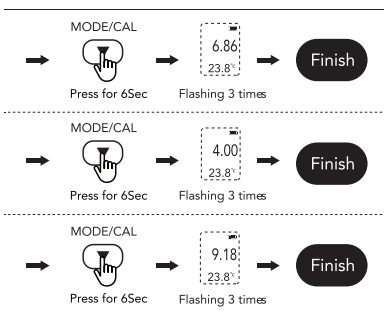


## EC, TDS / Salt

\* (calibration Solution not included)

### CALIBRATION (EC / TDS / SALT)





## Battery Warning



Dispose of used button / coin batteries immediately.

Tape both sides of the button / coin batteries and dispose of them immediately in an outside bin of reach of children or recycle safely.

### WARNING

**BUTTON CELL BATTERIES ARE HAZARDOUS (NEW OR USED) KEEP AWAY FROM CHILDREN. BUTTON CELL BATTERIES CAN CAUSE SEVERE OR FATAL INJURIES IN 2 HOURS OR LESS IF THEY ARE SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY IF YOU SUSPECT YOUR CHILD HAS SWALLOWED OR INSERTED A BUTTON CELL BATTERY. CALL THE 24-HOUR POISONS INFORMATION CENTRE IN AUSTRALIA ON 13 11 26 OR IN NEW ZEALAND 0800 764 766.**

## Warranty Terms & Conditions

For Full details please contact HY-CLOR

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

- 1 Year on the unit. Excluding calibration

To make a claim please contact:

**HY-CLOR AUSTRALIA PTY LTD**

**178 POWER STREET**

**GLENDENNING NSW 2761**

**FREE CALL NUMBER 5 DAYS A WEEK**

**1800 625 123**

**EMAIL: [HELP@HYCLOR.COM.AU](mailto:HELP@HYCLOR.COM.AU)**

