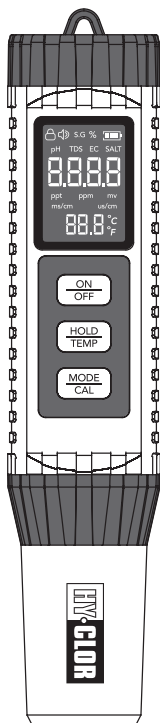




7 IN 1 MULTI TEST PEN



OPERATION MANUAL

VERSION 1.5

SUITS: HYCPROBE7IN1

Carton Contents



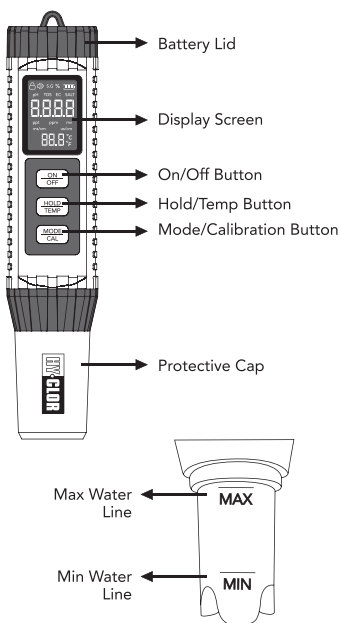
1 x Hy-Clor
Digital 7 in 1
Multi Pool tester



3 x pH
Calibration
sachets



1 x Operation
Manual

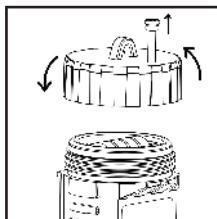


Battery Installation:

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

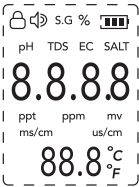
First Use :

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 °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 (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.

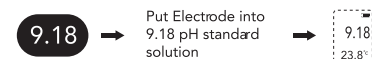
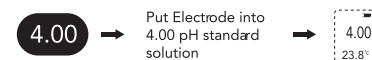
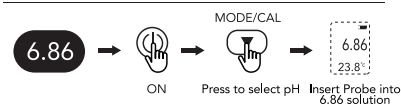
Hy-Chlor provides the PH powders to be used once, however EC powders are not provided.

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.

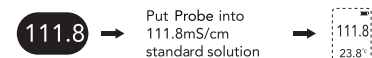
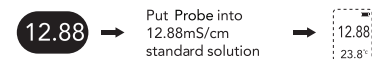
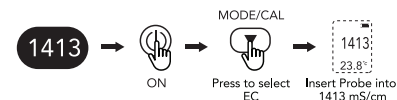
pH CALIBRATION

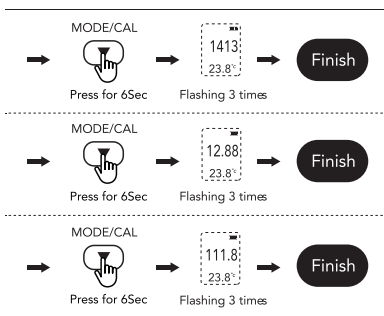
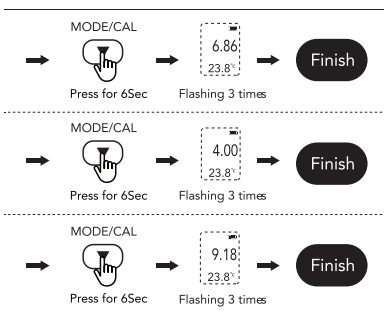


EC, TDS / Salt

* (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

