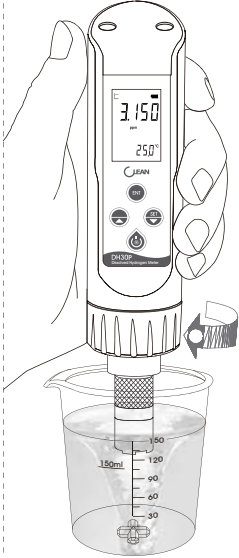


Instruction Manual

Thank you for selecting Clean products.
Before using the meter, relevant person must read and understand the contents of this operation manual. Operation Manual should be kept accessible within the person who use the meters.



- DH30P tester body
- MDH30P tester body
- CS6933 sensor
- 1.5VAAA battery *1
- Electrode electrolyte-(ESDH6933 30mL)
- Replacement membrane cap*2- (CS6933CAP)
- Instruction Manual



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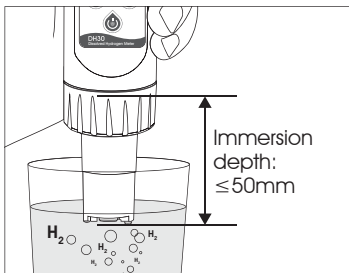
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1. Product Overview

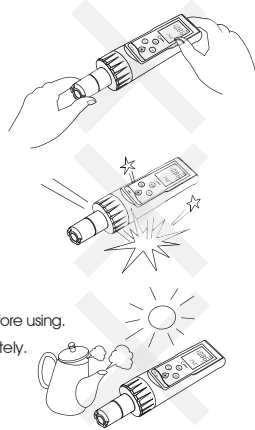
DH30P is designed based on polarography principle. Hydrogen molecule in hydrogen water enters the electrode chamber filled with electrolyte through selective semipermeable membrane of electrodes. Under polarization voltage between anode and cathode, current related to the concentration of dissolved hydrogen is generated. With temperature compensation, the concentration value of dissolved hydrogen is obtained.

The measurement range of this DH30P is up to 8 ppm. It can be assured to selectively measure dissolved hydrogen without interference from other reducing substances.

2. Precautions

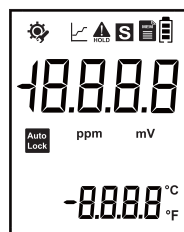


Please wipe up the electrode with clean tissue or cloth before using.
Do not throw or beat, squash or twist the tester deliberately.
Do not expose to the direct sunlight or put in high humidity or high temperature environment.



3. Configuration and LCD Introduction

- Set up
 - Data stabilized
 - Low battery indicator
 - Measurement mode
 - Auto Lock function
 - Auto Lock after data stabilized
 - Measuring value
- ppm,mV - measuring mode, unit



4. Key panel

Key instruction

Short press: Short press means release the key once after pressing.

(If there is no mark out below, default it as Short press)

Long press: Long press means press the key for 3 seconds and then release it

Hold: Hold means not release the key and accelerate after a certain time. Not release the key until the value is set as needed.

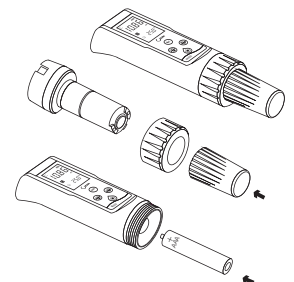
	Long press to Power ON/OFF Short press to ON/OFF backlight Escape key when in mV mode and setting up
	Long press to enter into mV mode Increment values or scroll through the next options available
	Data setting Decrement values or scroll through the next options available
	Confirm key Press to unlock in Auto lock mode

5. Battery and Electrode installation

Unscrew the screw cap by following the arrow direction, slightly unplug the electrode, install the battery (pay attention to the anode and cathode of the electrode).

Then install back the electrode and the screw cap.

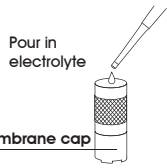
Low battery prompt is at the top of the screen when battery power is low. (You can refer to the LCD INTRODUCTION). Please change the same model battery.



6. Before measurement

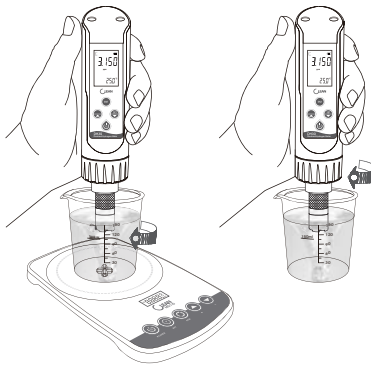


1. Make sure that the permeable membrane cap is not stained or damaged.
2. Fill 80% full electrolyte and slowly screw up the membrane cap.
3. Turn on the meter, check or input the membrane corresponding permeability value (please refer to the sticker on the membrane cap, SET, P-03)



Note:
If the reading value is above 0.050 ppm within 15 minutes, please replace the electrolyte.

7. Sample measurement



Take appropriate samples and measure them with DH30P.

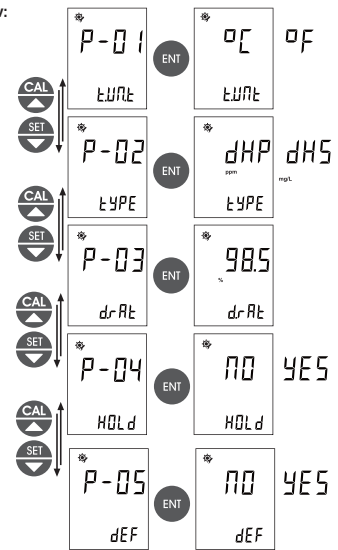
To obtain more stable reading value, it is recommended that users use magnetic stirrer or manual stirring measurement.

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8. Set up

In measurement mode, press "SET" to enter SET UP. Corresponding icons will be displayed. You can press "SET" and "CAL" to select the menu and then press "ENT" to confirm. Press "SET" or "CAL" to set up and confirm by press "ENT". You can also press " " to back to measurement mode.

The Set up menu as follow:



P01: Unit of the temperature. You can select between °C and °F.

P02: Unit of the measurement. You can select between ppm and mg/L.

P03: To check or input the membrane corresponding permeability value (please refer to the sticker on the membrane cap), range: 50% - 150%.

P04: Auto Lock. You can select "ON" or "OFF" to auto lock the data once stabilized.

P05: Factory defaults. You can select to revert to factory defaults.

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9. Specifications

Concentration measuring range	0.000 - 8.000 ppm (mg/L)
Resolution	0.001 ppm (mg/L)
Accuracy	±1.5 %
Temperature	°C, °F optional
Temp. Range	0 - 75.0 °C / 32 - 140°F
Auto Temp. Compensation	0 - 75°C
Temperature	°C, °F optional
Sensor	CS6933 replaceable dissolved hydrogen sensor
LCD	20*30 mm multi-line crystal display with backlight
Backlight	ON/OFF optional
Auto power off	10 minutes without key be pressed
Power	1x1.5V AAA7 battery
Working Environment	0°C - 75°C, Relative Humidity: <90%
Protection	IP67
Dimensions	(HXWXD)185 X 40 X48mm
Weight	95g

10. Package



Size: L*W*H 210*100*65mm
Weight: 350g

DH30P tester body
MDH30P tester body
CS6933 sensor
1.5VAAA battery*1
Electrode electrolyte - (ESDH6933 30mL)
Replacement membrane cap* 2 - (CS6933CAP)
Instruction Manual

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11. General Information

Warranty

CLEAN Instruments warrants this product to be free from significant deviations in material and workmanship for a period of one year from the date of purchase. If repair is necessary and has not been the result of abuse or misuse within the warranty period, please return to CLEAN Instruments and amendment will be made without any charge. CLEAN Instruments Customer Service Center will determine if product problem is due to deviations or customer abuse. Out of warranty products will be repaired on a charge basis.

Return Of Malfunction Instruments

Authorization must be obtained from CLEAN Instruments Customer Service Center to issue a RIR number before returning items for any reason. When applying for authorization, please include date requiring the reason of return. Instruments must be carefully packed to prevent damage in shipment and insured against possible damage or loss. CLEAN Instruments will not be responsible for any damage resulting from careless or insufficient packing.

Warning: Damage as a result of inadequate packaging is the User / distributor's responsibility. Please follow the guidelines below before transporting.

Guidelines Or Returning Unit For Repair

Use the original packaging material if possible, when transporting back the unit for repair. Otherwise wrap it with bubble pack and use a corrugated box for better protection. Include a brief description of any faults suspected for the convenience of Customer Service Center, if possible. If there are any questions, feel free to contact our Customer Service Center or distributors.

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