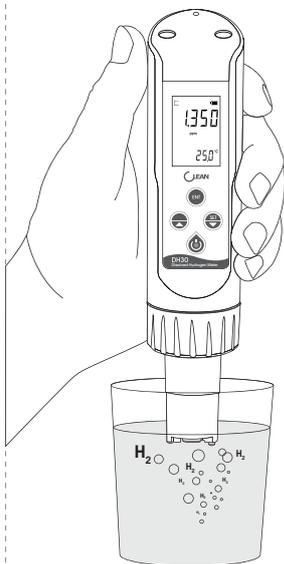


Instruction Manual

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.



- Components:
MDH30 Tester
CS6931 sensor
Sensor soaking solution
SL6080(40ml/bottleX1)
Wiping paper CW100 (50*25mm)x3
Battery
Instruction Manual



www.cleaninst.com
Customer Service: CS@cleaninst.com

CLEAN INSTRUMENTS CO. LTD
2F No. 140, Zhongxiao St.,
Zhonghe Dist., New Taipei City,
Taiwan

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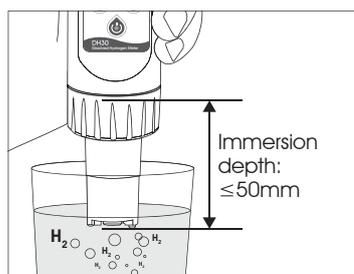
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1. Product Overview

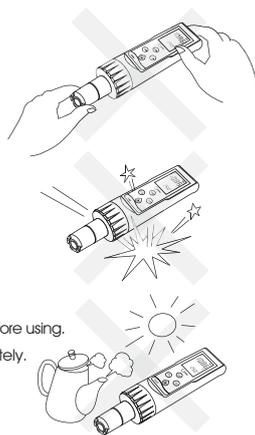
Precise and easy operation, Comfortable holding, All functions operated in one hand.
Large LCD with backlight, Multi-line display for easy reading, Auto-Power Off saves battery after 5 mins non-use
1*1.5V AAA long battery life, User replaceable battery and high-impedance plane electrode.
Field throw measurement(Auto Lock Function)



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

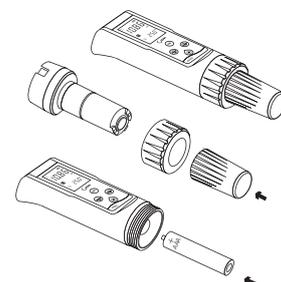
Key instruction

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.



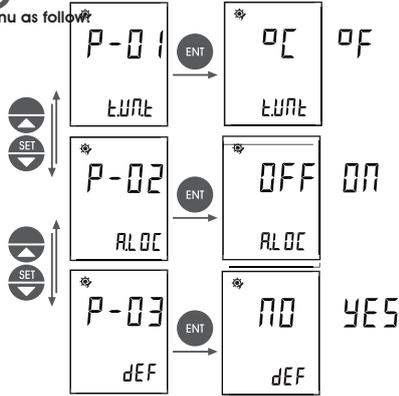
6. Measurement Mode

Press "ON" to power up. The tester will then enter into measurement mode. The measurement icon will twinkle if the data is unstabilized. Once stabilized, the top stabilized icon will be displayed then.

7. Set up

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

The Set up menu as follows:



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

P03: Auto Lock. You can select "ON" or "OFF" to auto lock the data once stabilized.

P04: Factory defaults. You can select to revert to factory defaults.

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8. Specification

Concentration measuring range	0.000-1.800ppm
Resolution	0.001 ppm
Accuracy	+0.002ppm
Temperature	°C, °F optional
Sensor	CS6931 replaceable dissolved hydrogen sensor
LCD	20*30 mm multi-line crystal display with backlight
Backlight	ON/OFF optional
Auto power off	5 minutes without key be pressed
Power	1x1.5V AAAA7 battery
Working Environment	-5°C - 60°C, Relative Humidity: <90%
Protection	IP67
Dimensions	(HXWXD)185 X 40 X48mm
Weight	95g

9. Package



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

Components:
MDH30 Tester
CS6931 sensor
Sensor soaking solution
SL6080(40ml/bottleX2)
Wiping paper CW100 (50*25mm)x3
Battery
Instruction Manual

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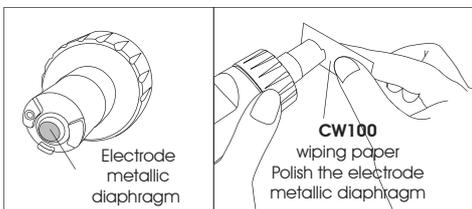
10. Electrode using and maintenance

[Notice]

1. Please keep the metallic diaphragm always clean.
2. Please rinse off the sensor tip with clean water after each use and cover the protection bottle back. Please also check the volume of the soaking solution. If not enough, please be sure to add more.
Note: After each use, if there is some moisture or solution liquid on and near the metallic diaphragm, random numbers may get displayed. Rinse off the tip with clean water and place it back in sensor protecting cap. Make sure it displays "0" before shutting off power.
3. If there is smudginess and mineral elements adhere on the metallic diaphragm, the responsive time will be deduced and readings might drop. Please use the wiping paper to polish the electrode metallic diaphragm. Make sure the sensor tip is very clean.
After cleaning, please must keep the sensor tip in soaking solution. If the reading is not 0.000ppm when in soaking solution, please change the sensor.
4. Life expectancy of an electrode depends on frequency of use. Generally, it should be replaced in 1 year. Generally, it should be replaced in 1 year.

Cleaning order of the electrode metallic diaphragm:

1. Spin off the sensor protection bottle (please pay attention not to spill out the soaking solution).
2. Hold the wiping paper (with the rough surface up) and drop a few drops of water on the paper.
3. Horizontally contact the bottom of the metallic diaphragm with the wiping paper which having water on it. Rub rotating as you writing the Arabic numeral "8" for around 10 times.
4. Rinse off the tip with clean water and place it back in sensor protecting cap. Make sure it displays "0" before shutting off power.



Before measuring, please polish the electrode metallic diaphragm with the wiping paper. When measuring, please stir the electrode properly.

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11. Error

When ERR occurs, you can check the electrode and the standard solution.

12. 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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