皆仪 AZOVTES®

诸事皆仪

JE86066 多功能水质检测仪

中英文使用说明书

Water Quality Meter

引言

- 感谢您购买本公司生产的多功能水质检测仪。
- 本手册仅提供本产品的相关测量功能的使用方法以及使用方面的注意事项，要发挥本产品的最佳使用效能，使用前请详阅本手册，并妥善保管本手册以便不时之需。
- 当您收到此产品时请检查仪器是否完好，配件是否齐全，如有缺失或是其它任何问题请您尽快与供应商联系。

目录

Catalogue

产品参数

型号：JE86066

测量项目	余氯
测量范围	0.00~12.00mg/L
测量精度	±5%or±0.05mg/L
分辨率	0.01mg/L
测量时间	30s
试剂用量	一平勺

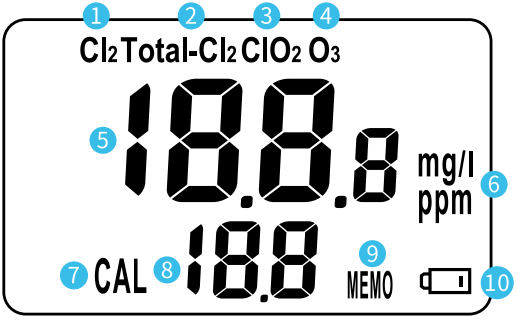
测量项目	总氯
测量范围	0.00~12.00mg/L
测量精度	±5%or±0.05mg/L
分辨率	0.01mg/L
测量时间	30s
试剂用量	一平勺

测量项目	二氧化氯
测量范围	0.00~24.00mg/L
测量精度	±5%or±0.1mg/L
分辨率	0.01mg/L、0.1mg/L
测量时间	30s
试剂用量	试剂1:3滴 粉剂2:一平勺

测量项目	臭氧
测量范围	0.00~8.00mg/L
测量精度	±5%or±0.05mg/L
分辨率	0.01mg/L
测量时间	30s
试剂用量	一平勺

其他参数	
数据存储	手动存储99笔(每个项目)
自动关机	无操作10分钟
LCD尺寸	27*45mm
背光功能	支持
供电方式	1.5V AAA*4pcs
产品尺寸	70*30*155mm
产品标配	主机、测量瓶、说明书、合格证、电池、手提箱、纸箱、大小烧杯、总氯试剂、余氯试剂、二氧化氯试剂1,2、臭氧试剂、配件包

屏幕面板说明



1.“Cl_2”余氯测量模式　　2.“Total-Cl_2”总氯测量模式

3.“ClO_2”二氧化氯测量模式

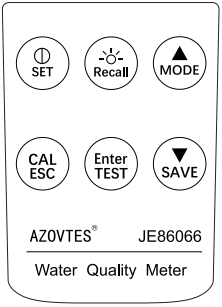
4.“O_3”臭氧测量模式　　5. 当前读数

6.当前测量含量单位　　7.“CAL”校准模式

8.当前保存笔数　　9. 数据存储图标

10.低电量提示，请更换电池以保证测量的准确性

按键介绍



⏻/**SET键：**短按开关机/长按进入设定模式。

CAL/ESC键：长按校正零点/设定模式下短按退出设定模式。

☼/**Recall键：**短按开启或关闭背光灯/长按查看已保存的数据，按上下键可以逐条查看记录数据,按ESC键可退出记录查看模式。

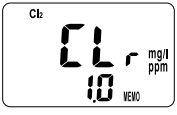
▲/**MODE键：**设定向上调整键/模式切换。

▼/**SAVE键：**设定向下调整键/测量模式下短按可手动保存数据（最高99笔）。

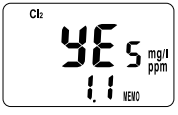
Enter/TEST键：测试键，确认键。

设定

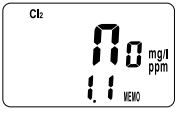
1.0删除保存数据：测量模式下，长按“①/SET”键进入设定模式1.0，按“Enter/TEST”键到1.1，按“▲/MODE”或“▼/SAVE”键出现“YES”字样，按“Enter/TEST”键删除保存数据并回到1.0。
(删除数据只会删除当前模式的数据，不影响其它模式的数据)



(1.0设置显示界面)



(1.1“YES”确定删除界面)



(1.1“NO”不删除界面)

保存&查看数据

1.保存数据：测量模式下，按“▼/SAVE”键保存当前测量数据。

2.查看数据：测量模式下，长按“☼/Recall键”键查看保存数据，按“▲/MODE”或“▼/SAVE”键翻看保存的数据，按“CAL/ESC”键返回测量界面。

注意事项

1.测量时手只能抓在测量瓶上的塑胶壳上，不能抓到玻璃部位。

2.测量瓶上不能沾水，如果沾水要用餐巾纸擦干净！

3.避免太阳光直射仪表，要遮挡太阳光。

4.试剂的瓶盖记得盖回并且拧紧，以避免试剂因为和空气中长时间接触而失效。

5.测量瓶中如果有沉淀物，油垢等等污染物附着着，需要用棉签擦拭干净，以保证测量的准确性。

6.测量后测量瓶用清水清洗干净甩干保存。

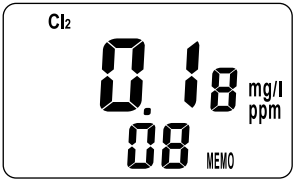
7.试剂避光常温保存，保质期12个月。

警告：不可食用，不可接触眼睛，远离儿童。

注：如果选错了参数，可以退出测量，选对参数再测。

余氯测量

1.按“①/SET”键开机,开机成功后屏幕会全显3秒钟，全显结束后，短按“▲/MODE”键切换测量参数，当屏幕上出现Cl_2标志，则表示目前选择的测量模式是余氯测量。



(余氯测量界面)

2.用针筒抽测量水样5ml以上，装上过滤器，注入5ml到测量瓶中（水样刚好够5ml刻度线位置）。

1）将测量瓶按正确方向放入到测量孔中。长按“CAL/ESC”键，直到屏幕上出现CAL字样跳动，3秒后仪表自动完成零点校正。

（仪表出厂前已完成零点校正，为节省时间，该步骤可省略）

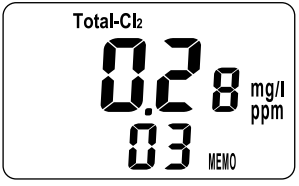
2)舀一平勺水质余氯Cl_2检测试剂倒入测量瓶中，盖紧瓶盖，摇晃5秒，按正确方向放入到测量孔中。

3.按“TEST/Enter”键开始测量，此时屏幕闪烁显示测量倒计时，待倒计时结束后显示测量结果。测量过程中按“CAL/ESC”键可以退出测量。

4.测量后倒掉测量瓶中的水样，用干净水（纯净水、自来水等）清洗测量瓶，甩干水分后盖好盖子。

总氯测量

1.按“⏻/SET”键开机,开机成功后屏幕会全显3秒钟，全显结束后，短按“▲/MODE”键切换测量参数，当屏幕上出现Total-Cl_2标志，则表示目前选择的测量模式是总氯测量。



(总氯测量界面)

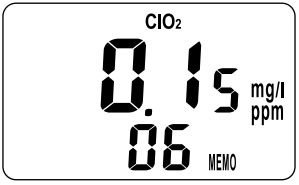
2.用针筒抽测量水样5ml以上，装上过滤器，注入5ml到测量瓶中（水样刚好够5ml刻度线位置）。
1）将测量瓶按正确方向放入到测量孔中。长按“CAL/ESC”键，直到屏幕上出现CAL字样跳动，3秒后仪表自动完成零点校正。
(仪表出厂前已完成零点校正，为节省时间，该步骤可省略)
2)舀一平勺水质总氯Total-Cl_2检测试剂倒入测量瓶中，盖紧瓶盖，摇晃5秒，按正确方向放入到测量孔中。

3.按“TEST/Enter”键开始测量，此时屏幕闪烁显示测量倒计时，待倒计时结束后显示测量结果。测量过程中按“CAL/ESC”键可以退出测量。

4.测量后倒掉测量瓶中的水样，用干净水（纯净水、自来水等）清洗测量瓶，甩干水分后盖好盖子。

二氧化氯测量

1.按“⏻/SET”键开机,开机成功后屏幕会全显3秒钟，全显结束后，短按“▲/MODE”键切换测量参数，当屏幕上出现ClO_2标志，则表示目前选择的测量模式是二氧化氯测量。



(二氧化氯测量界面)

2.用针筒抽测量水样5ml以上，装上过滤器，注入5ml到测量瓶中（水样刚好够5ml刻度线位置）。

1）将测量瓶按正确方向放入到测量孔中。长按“CAL/ESC”键，直到屏幕上出现CAL字样跳动，3秒后仪表自动完成零点校正。

(仪表出厂前已完成零点校正，为节省时间，该步骤可省略)

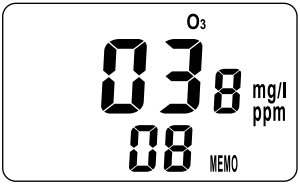
2)滴入3滴水质二氧化氯ClO_2检测试剂1,到测量瓶中，盖紧瓶盖，摇晃5秒，打开瓶盖后，再舀一平勺水质二氧化氯ClO_2检测试剂2倒入测量瓶中，盖紧瓶盖，摇晃5秒，按正确方向放入到测量孔中。

3.按“TEST/Enter”键开始测量，此时屏幕闪烁显示测量倒计时，待倒计时结束后显示测量结果。测量过程中按“CAL/ESC”键可以退出测量。

4.测量后倒掉测量瓶中的水样，用干净水（纯净水、自来水等）清洗测量瓶，甩干水分后盖好盖子。

臭氧测量

1.按“⏻/SET”键开机,开机成功后屏幕会全显3秒钟，全显结束后，短按“▲/MODE”键切换测量参数，当屏幕上出现O_3标志，则表示目前选择的测量模式是臭氧测量。



(臭氧测量界面)

2.用针筒抽测量水样5ml以上，装上过滤器，注入5ml到测量瓶中（水样刚好够5ml刻度线位置）。
1）将测量瓶按正确方向放入到测量孔中。长按“CAL/ESC”键，直到屏幕上出现CAL字样跳动，3秒后仪表自动完成零点校正。
(仪表出厂前已完成零点校正，为节省时间，该步骤可省略)
2）舀一平勺水质臭氧O_3检测试剂倒入测量瓶中，盖紧瓶盖，摇晃5秒，按正确方向放入到测量孔中。

3.按“TEST/Enter”键开始测量，此时屏幕闪烁显示测量倒计时，待倒计时结束后显示测量结果。测量过程中按“CAL/ESC”键可以退出测量。

4.测量后倒掉测量瓶中的水样，用干净水（纯净水、自来水等）清洗测量瓶，甩干水分后盖好盖子。

使用常见问题

1..拧开测量试剂瓶盖时，注意拧动的是蓝/红色瓶盖而不是白色瓶脖。

2.过滤器使用一段时间后，污垢会在过滤器中堆积，需要对过滤器进行反向清洗，将过滤器旋上针筒后，抽取5ml纯净水，旋下过滤器后将水排除，重复几次。

3.测量水需要用过滤器过滤！水中有有机碎屑等物质，不将其过滤会影响到测量精度。

4.测量瓶外表面不能有水需保持干燥！外表面有水的话，一定要用餐巾纸擦拭干净，否则会影响测量精度。

5.加入测量试剂后一定要摇晃均匀！否则会影响测量精度。

故障代码

1）E03：测量值超出上限；
2）E31：硬件问题，需要维修；

特殊声明

1.旧电池必须按照地方法律和规定处理。

2.本公司保留对本产品设计规格即说明书内容更新，修改权利，若有变动怒不另行通知！

警告：所有的测试试剂等不能食用！不可接触眼睛，要放置在儿童接触不到的地方。

保修事项

1.本产品自购买日起，在正常使用未经拆装，维修或第三方因素的损坏下一年内享受保修服务，在任何正常情况下均提供维修。

2.上述保修条款只对主机有效，配件等耗材不在保修范围内。

PRODUCT SPECIFICATION

Model No: JE86066

measuring range	Free chlorine
measuring range	0.00~12.00mg/L
Accuracy	±5%or±0.05mg/L
Resolution	0.01mg/L
Measuring period	30s
Reagent dosage	1Spoon

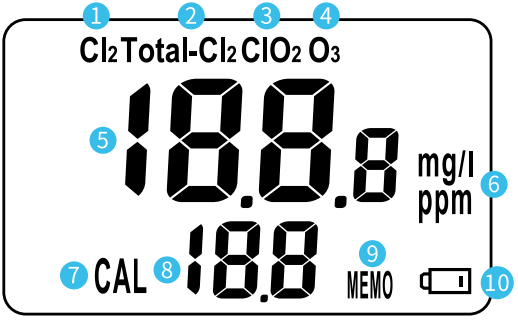
measuring range	Total chlorine
measuring range	0.00~12.00mg/L
Accuracy	±5%or±0.05mg/L
Resolution	0.01mg/L
Measuring period	30s
Reagent dosage	1Spoon

measuring range	Chlorine dioxide
measuring range	0.00~24.00mg/L
Accuracy	±5%or±0.1mg/L
Resolution	0.1mg/L、0.1mg/L
Measuring period	30s
Reagent dosage	Dropper No1: 3 Drops Powder No2: 1 Spoon

measuring range	Ozone
measuring range	0.00~8.00mg/L
Accuracy	±5%or±0.05mg/L
Resolution	0.01mg/L
Measuring period	30s
Reagent dosage	1Spoon

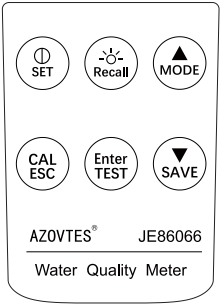
Other parameters	
Records	99 points for every parameter
Automatic shutdown function	There is no button operation for 10minutes
LCD size	27*45mm
Backlight	YES
Power	1.5V AAA*4pcs
Size	70*30*155mm
Product standard	Main unit, measuring bottle, instruction manual, certificate of conformity, battery, carrying case, carton, large and small beakersTotal chlorine reagent, residual chlorine reagent, chlorine dioxide reagent 1,2, ozone reagent, accessory package

Panel description



1. “Cl_2” mode
2. “Total-Cl_2” mode
3. “ClO_2” mode
4. “O_3” mode
5. Current reading
6. content unit
7. “CAL” Calibration mode
8. Number of saved strokes
9. Data storage icon
10. Low battery prompt. Please replace the battery to ensure the accuracy of the measurement

Key introduction



⏻/**SETkey:** Short press to turn on/off; press > 1s in measurement mode to enter setting mode.

CAL/ESC key: Long press to calibrate zero point / short press to exit setting mode in setting mode.

☼/**Recallkey:** Short press to turn on or off the backlight; press > 1s to recall the saved data; Press the up and down keys to select the record data one by one; and press the ESC key to exit the record recall mode.

▲/**MODE key:** Toggling the measurement parameter, the up adjustment key in setting.

▼/**SAVE key**: Saving the measurement data, the down adjustment key in setting. "Enter /TEST": The confirming key, Testing key.

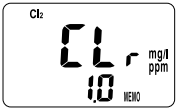
Enter/TEST key: Measuring key, Key to confirm setting and calibration

Setting

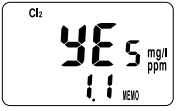
1.0-Deleting data: while in measuring mode, press "⏻/SET" more than 1 second to enter Setting mode 1.0, press "Enter /TEST" to enter to P1.1, press "▲/MODE" or "▼/SAVE" to until "YES" appears, then press "Enter" to delete the saving data and return to 1.0.

Tips: In the measurement mode, which parameter is measured, after entering the setting mode, the saved data of which parameter is deleted.

(Deleting data will only delete the data in the current mode and will not affect the data in other modes.)



(1.0 Set the display interface)



(1.1 "YES" confirms the deletion interface)

(1.1 "NO" does not delete the interface)

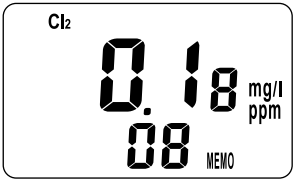
Save&Recall data

1.Save data: In the measurement mode, press the "▼/Save" key to save the currentmeasurement data.

2.Recall data: **In the measurement mode,** press the "☼/Recall" Key>1S to enterthe recall data mode.press the "▲/MODE" or "▼/Save" key to view the saved data.Press the "CAL/ESC" Key to return to tlit mode.

Free chlorine Measurement

1. Press the " ⏻ " key to turn on the instrument. After the instrument is turned on successfully, the screen will display fully for 3 seconds. After the full display is completed, press the “▲/Mode" key <1S to switch the measurement parameters. When the Cl mark appears on the screen,it means that the currently selected measurement parameter is free chlorine measurement. Currently displayed is the last measured value.



(Residual chlorine measurement interface)

2.Use a syringe to extract more than 5ml of water sample for measurement, install a filter, and inject 5ml into the measuring bottle(The water sample is just enough to reach the 5ml mark).

1)Put the measuring bottle into the measuring hole in the correctdirection. Press the "CAL/ESC" button until the word "CAL"flashes on the screen, and after 3 seconds, the instrument willautomatically complete zero calibration. (The instrument hascompleted zero calibration before leaving the factory. To save time,this step can be omitted.)

2)Scoop a flat spoon of free chlorine test reagent into the measuring bottle, tighten the bottle cap, shake it for 5 seconds, and put it intothe measuring hole in the correct direction.

3.Press the "TEST/Enter" key to start the measurement. At this moment, the screen flashes to show the countdown for measurement. Waitand the measurement results will bedisplayed after the countdown. Press "CAL/ESC" key duringmeasurement to cancel measurement.

4.Pour out the water sample in the measuring bottle after measurement,clean the measuring bottle with clean water (purified water, tap water,etc.) Drain water, tighten the cap.

Tips: 1) The hand can only grasp the plastic shell of the measuringbottle, not the glass.

2) The measuring bottle shall not be stained with water. If it isstained with water, clean it with napkin.

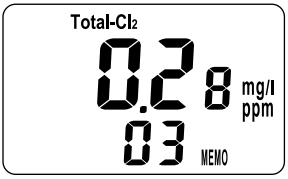
3) Avoid direct sunlight on the instrument! To block sunlight.

4) Keep the cap of the reagent bottle back and tighten it toavoid reagent failure due to long-term contact with air.

5)If there is sediment, oil dirt and other pollutants attached tothe bottle, wipe it with a cotton swab to ensure the accuracyof the measurement

Total chlorine Measurement

1. Press the "⏻" key to turn on the instrument. After the instrument isturned on successfully, the screen will display fully for 3 seconds. Afterthe full display is completed, press the "▲/Mode" key <1S to switchthe measurement parameters. When the Total-Cl mark appears on thescreen, it means that the currently selected measurement parameter istotal chlorine measurement. Currently displayed is the last measured value.



(Total chlorine measurement interface)

2.Use a syringe to extract more than 5ml of water sample for measurement, install a filter, and inject 5ml into the measuring bottle(The water sample is just enough to reach the 5ml mark).

1)Put the measuring bottle into the measuring hole in the correctdirection. Press the "CAL/ESC" button until the word "CAL"flashes on the screen, and after 3 seconds, the instrument willautomatically complete zero calibration. (The instrument hascompleted zero calibration before leaving the factory. To save time,this step can be omitted.)

2)Scoop a flat spoon of total chlorine test reagent into the measuring bottle, tighten the bottle cap, shake it for 5 seconds, and put it intothe measuring hole in the correct direction.

3.Press the "TEST/Enter" key to start the measurement. At this moment, the screen flashes to show the countdown for measurement. Wait and the measurement results will bedisplayed after the countdown. Press "CAL/ESC" key duringmeasurement to cancel measurement.

4.Pour out the water sample in the measuring bottle after measurement,clean the measuring bottle with clean water (purified water, tap water,etc.) Drain water, tighten the cap.

Tips: 1) The hand can only grasp the plastic shell of the measuringbottle, not the glass.

2) The measuring bottle shall not be stained with water. If it isstained with water, clean it with napkin.

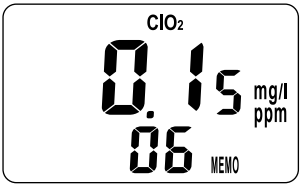
3) Avoid direct sunlight on the instrument! To block sunlight.

4) Keep the cap of the reagent bottle back and tighten it toavoid reagent failure due to long-term contact with air.

5)If there is sediment, oil dirt and other pollutants attached tothe bottle, wipe it with a cotton swab to ensure the accuracyof the measurement.

Chlorine dioxide Measurement

1.Press the "⏻" key to turn on the instrument. After the instrument isturned on successfully, the screen will display fully for 3 seconds. Afterthe full display is completed, press the "▲/Mode" key <1S to switchthe measurement parameters. When the ClO2 mark appears on thescreen, it means that the currently selected measurement parameter is chlorine dioxide measurement. Currently displayed is the last measured value.



(Chlorine dioxide measurement interface)

2.Use a syringe to extract more than 5ml of water sample for measurement, install a filter, and inject 5ml into the measuring bottle(The water sample is just enough to reach the 5ml mark).

1)Put the measuring bottle into the measuring hole in the correctdirection. Press the "CAL/ESC" button until the word "CAL"flashes on the screen, and after 3 seconds, the instrument willautomatically complete zero calibration. (The instrument hascompleted zero calibration before leaving the factory. To save time,this step can be omitted.)

2) Drop three drops of chlorine dioxide test reagent No.1 into themeasuring bottle, tighten the bottle cap, shake it for 5 seconds, openthe bottle cap and then then then scoop a flat spoon of chlorinedioxide test reagent No.2 into the measuring bottle, tighten thebottle cap, shake it for 5 seconds, and put it into the measuring hole in the correct direction.

3.Press the "TEST/Enter" key to start the measurement. At this moment, the screen flashes to show the countdown for measurement. Waitand the measurement results will bedisplayed after the countdown. Press "CAL/ESC" key duringmeasurement to cancel measurement.

4.Pour out the water sample in the measuring bottle after measurement,clean the measuring bottle with clean water (purified water, tap water,etc.) Drain water, tighten the cap.

Tips: 1) The hand can only grasp the plastic shell of the measuringbottle, not the glass.

2) The measuring bottle shall not be stained with water. If it isstained with water, clean it with napkin.

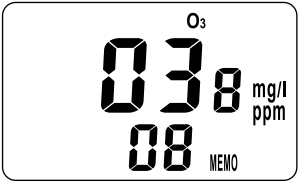
3) Avoid direct sunlight on the instrument! To block sunlight.

4) Keep the cap of the reagent bottle back and tighten it toavoid reagent failure due to long-term contact with air.

5)If there is sediment, oil dirt and other pollutants attached tothe bottle, wipe it with a cotton swab to ensure the accuracyof the measurement.

Ozone Measurement

1. Press the "⏻ " key to turn on the instrument. After the instrument isturned on successfully, the screen will display fully for 3 seconds. Afterthe full display is completed, press the "▲/Mode" key <1S to switchthe measurement parameters. When the O mark appears on the screen,it means that the currently selected measurement parameter is ozonemeasurement. Currently displayed is the last measured value.



(Ozone measurement interface)

2.Use a syringe to extract more than 5ml of water sample for measurement, install a filter, and inject 5ml into the measuring bottle(The water sample is just enough to reach the 5ml mark).

1)Put the measuring bottle into the measuring hole in the correctdirection. Press the "CAL/ESC" button until the word "CAL"flashes on the screen, and after 3 seconds, the instrument willautomatically complete zero calibration. (The instrument hascompleted zero calibration before leaving the factory. To save time,this step can be omitted.)

2) Scoop a flat spoon of ozone test reagent into the measuring bottle,tighten the bottle cap, shake it for 5 seconds, and put it into themeasuring hole in the correct direction。

3.Press the "TEST/Enter" key to start the measurement. At this moment, the screen flashes to show the countdown for measurement. Wait and the measurement results will bedisplayed after the countdown. Press "CAL/ESC" key duringmeasurement to cancel measurement.

4.Pour out the water sample in the measuring bottle after measurement,clean the measuring bottle with clean water (purified water, tap water,etc.) Drain water, tighten the cap.

Tips: 1) The hand can only grasp the plastic shell of the measuringbottle, not the glass.

2) The measuring bottle shall not be stained with water. If it isstained with water, clean it with napkin.

3) Avoid direct sunlight on the instrument! To block sunlight.

4) Keep the cap of the reagent bottle back and tighten it toavoid reagent failure due to long-term contact with air.

5)If there is sediment, oil dirt and other pollutants attached tothe bottle, wipe it with a cotton swab to ensure the accuracyof the measurement.

FAQ

1.When unscrewing the cap of the measuring reagent bottle, it should benoted that the blue or red cap is screwed instead of the white neck.

2.After the filter is used for a period of time, the dirt will accumulate inthe filter. It is necessary to reverse clean the filter. After screwing the filter onto the syringe, extract 5mL of pure water. After screwing offthe filter, remove the water and repeat several times.

3.Water measurement requires filtration with a filter! There are organic debris and other substances in the water. If they are not filtered, it will affect the measurement accuracy.

4.The outer surface of the measuring bottle must be free of water and kept dry! If there is water on the outer surface, it must be wiped clean with a napkin; otherwise, it will affect the measurement accuracy.

5.Shake well after adding the measuring reagent! Otherwise, it will affect the measurement accuracy. Otherwise, it will affect the measurement accuracy.

Error message

1) E03：Measurement data is over the upper limit;
2) E31：Hardware failure；

Special statement

1.Old batteries must be disposed of in accordance with local laws and regulations.

2.The company reserves the right to update and modify the design specifications and the content of the manual of this product. If there is any change, it will not be notified.

Warning: electrolyte solution and All test reagents are not edible etc. cannot be eaten! Keep it out of the reach of children!

Warranty

1.The meteris warranted to be free from defects inmaterial andworkmanship foraperiod ofone year fromthe date of purchase.This warranty covers normaloperation and does notcover batterymisuse, abuse,alteration, tampering, neglect,improper maintenanceordamage resulting from leaking batteries.

2.The above warranty terms are only valid forthemain instrumentand consumables such as probeaccessories are not covered by thewarranty.

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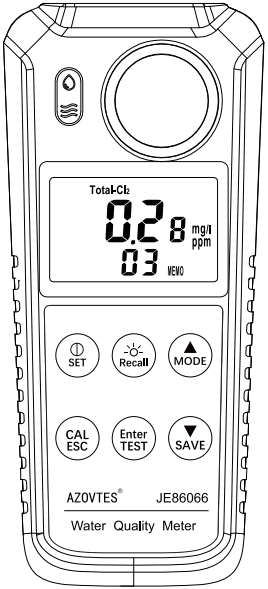

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