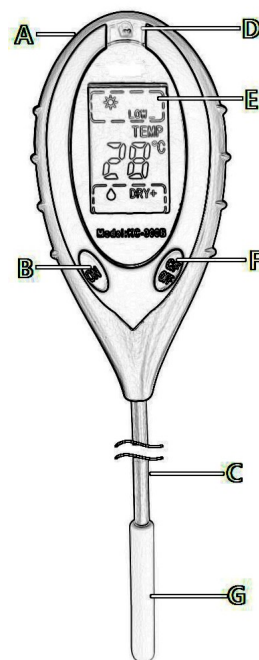


AX-PH02

1. Tool components



- A. PH/ TEMP KEY: mode switch: Set the mode for PH value, temperature or moisture.
- B. ON KEY: press the key to start the unit.
- C. TEST PROBE: can test PH value, moisture and temperature.
- D. LIGHT SENSOR WINDOW: can induct sunlight intensity of measured environment.
- E. BACKLIGHT LCD DISPLAY SCREEN
- F. °C/°F OFF KEY: temperature unit switch/power off key: under temperature mode, press the key to select

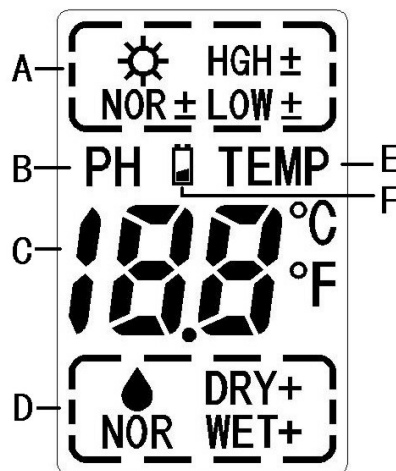




temperature unit as °C or °F (original temperature unit : °C). Keep pressing the key for about 3 seconds to power off.

G. PROTECTING BUSHING: Please take the protecting bushing away when using the test probe. Put on the protecting bushing when it is not in use to protect the test probe(accessories).

2. Illustration of display screen



A. Sunlight intensity display area: 9 levels: LOW-, LOW, LOW+, NOR-, NOR, NOR+, HGH-, HGH, HGH+, each increasing in amount and quality. LOW- signifies an extremely dim environment. HGH+ signifies an extremely bright environment.

B. PH function display

C. PH or temperature value display: It shows 3.5 to 9.0 for PH value and -9 to °C +50°C(16°F to 122°F) for temperature. “Lo” or “HH” indicates the value is out of the measurable range.

D. Moisture display area: 5 levels: DRY+, DRY, NOR, WET, WET+, each increasing in wetness. WET+ signifies an extremely wet environment while DRY+ signifies an extremely dry environment.

E. Temperature function display.

F. Low battery display: The symbol will display on the LCD continuously when the battery is low.





3. How to use

3.1. Battery Installation

Open the battery compartment door on the back of the tool and plug one 9 volt block battery onto the battery connector. Put the battery back to the compartment and close the door.

3.2. Operation Instructions

3.2.1. OPERATION FOR SUNLIGHT MEASUREMENT

- Press the ON button to start the unit.
- Point the light sensor window toward max light source.
- The current light intensity will be showed on the LCD.

3.2.2. OPERATION FOR PH VALUE

- Switch the PH/ TEMP button on the back of the unit to PH position.
- Push the probe down as vertically as possible into the soil which needed to be tested. Do not push the probe too near the stem to avoid damage to the plant's root.
- Press ON button to start the unit.
- PH value of the tested soil will be displayed on LCD.
- Take several readings to confirm your findings.

3.2.3. MOISTURE MEASUREMENT

- Switch the PH/ TEMP button on the back of the unit to /TEMP position.
- Push the probe down as vertically as possible into the soil. Do not push the probe too near the stem to avoid damage to the plant's root.
- Press ON button to start the unit.
- Moisture of the tested soil will be displayed on LCD.
- Take several readings to confirm your findings.

3.2.4. TEMPERATURE OF THE SOIL MEASUREMENT

- While testing moisture, the temperature of the soil will be displayed on LCD at the same time.
- Press °C/°F OFF button to set the unit of temperature is °C or °F.





4. Tips

- The unit will be automatically off after 5 minutes disabling for electricity.
 - The unit only can be used in soil, please don't place the probe into water or other solutions.
 - Don't leave the probe in the soil longer than necessary to avoid the possibility of damage to the probe.
 - Don't bend the probe.
 - Don't use the probe to break up the soil.
 - Don't put the probe near metal objects and be sure to keep the probe away from metal objects.
 - Wipe the probe clean and dry before taking another test reading and after use.
 - Before testing, please lightly shine 4"-5"(10-12cm)of the probe and any oxides that may have formed on the surface of the metal.
 - Insure that the probe is wiped clean and the protecting bushing is put on the test probe before storing in order to avoid the oxidation of the probe.
 - When the unit is withdrawn from the soil, remember not to grasp the probe.
 - Low battery: "⏻" icon will be displayed on LCD, please replace the new battery.
- Out of range, the PH value of the unit is 3.5 to 9.0 and -9°C to +50°C for temperature.

5. Technical specifications

Name: 4 in 1 Soil Survey Instrument

Type: AX-PH02

Test objects: Sunlight moisture PH value temperature

Test range:

- sunlight(9 levels) LOW-, LOW, LOW+, NOR-, NOR, NOR+, HGH-, HGH, HGH+

- moisture(5 levels) DRY+, DRY, NOR, WET, WET+

- PH value(12 levels)3.5~9.0 (display resolution 0.5)

- Soil temperature -9°C~+50°C (16°F~122°F)(display resolution 1°C/1°F)

Automatic off: The unit will be automatically off after 5 minutes disabling.

Backlight function:It will be automatically off within 1.5 minutes

Power supply:One 9V block battery

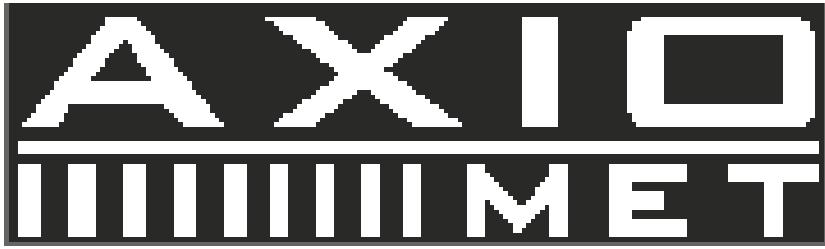
Working current: <30mA

Operating temperature: +5°C~+40°C

Working humidity: 5%~95%RH non-condensing

Storage Condition: -20°C~+60°C,≤85%(w/o battery)





Size:122mm×63mm×36mm

Test probe size: \varnothing 5mm×200mm

Weight:About 73 g (battery not included)

