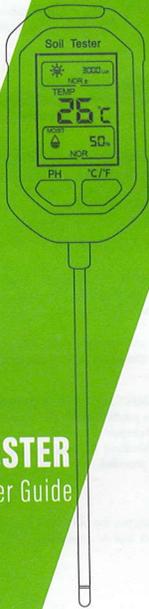


# 4-IN-1

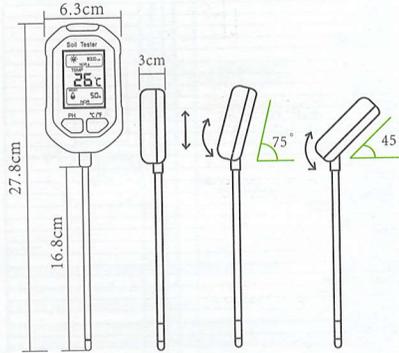


## SOIL TESTER

A Quick User Guide

It might be daunting and confusing to know how to give your plants the proper care. Help is available if you frequently wonder things such, "Do they have enough light?" and "Have they got enough water?" You won't need to make timetable adjustments or stick your finger in the ground anymore. With precise readings from this soil tester, you can give your plants the attention they need. Continue reading to see how this tool will change your routine and maintain the health and happiness of your plants.

### PRODUCT DIMENSIONS



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### PRODUCT FEATURE

#### AAA1.5V \* 4 batteries power supply

Use AAA1.5V \* 4 batteries (not included), it will alert when the battery is low.

#### Plug and Play

Simply insert the tester into the soil and press the soil around the solid probe to get instant test results to help your crops grow healthy and strong.

#### One click Switch

The 4-in-1 function allows you to switch between test modes with the push of a button for instant testing.

#### Alloy Probes

The alloy induction probe ensures accurate and immediate results with a single probe that causes little damage to the roots and does not require excessive digging out of the soil after testing.

### 4-IN-1 MODEL



#### A. Ambient Light (illuminance)

The intensity of light directly affects the photosynthesis of crops, which can be made healthy through environmental change or scientific light supplementation.

#### B. Soil Moisture (humidity)

Soil moisture determines the availability of water to the crop, and the crop will grow well when watering is adjusted in time.

#### C. Soil Temperature (Temperature)

Soil temperature is one of the important factors influencing soil environment, and its magnitude plays a significant role in crop growth and efficient water irrigation.

#### D. Soil pH (acidity and alkalinity)

By keeping the soil in a balanced state of acidity and alkalinity, crops will grow better.

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**SPECIFICATIONS**

**Color: White**  
 Power: 1.5V AAA\*4  
 Size: 29\*7\*3.5cm/11.4\*2.7\*1.4in  
 Weight: 130g/0.28lb

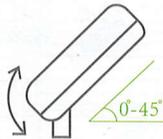
**Soil Temperature**  
 Temperature Range:  
 0 C / 32 F - 90 C / 197 F

**Light Scale**  
 Relative Light Intensity: 0-9999lux

**pH Sensor**  
 pH Range: 3-9.0pH  
 (3-4 Strongly Acidic;  
 5-6 Slightly Acidic;  
 7 Neutral;  
 8-9 Slightly Alkaline)

**Moisture Sensor**  
 Moisture Range(5 levels):  
 DRY+, DRY, NOR, WET, WET+

**SPECIFICATIONS**



- Step 1:** Take off the red cover in the end of the probe, and turn on the tester.
- Step 2:** Stick the probes into the soil 3-5 inches.
- Step 3:** Read the data about 10s. The pH and temperature will be toggled by pressing the pH or [ ° C / ° F ] button as needed.
- Step 4:** Remove probes from soil and wipe clean after each use.

**Other**

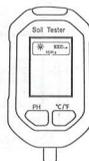
- 1. 90 seconds backlight off without operation, 180 seconds shutdown without operation; backlight on when any key is pressed.
- 2. Any key pressed for power on, long press the [ ° C / ° F ] for about 2 seconds shut down in power on state.
- 3. Low battery alarm. Low battery detected at power on, backlight flashes 2 times and then shuts down. Low battery detected during operation, backlight flashes 2 times and then shuts down.

**READOUT DATA**

**Light Scale**

Relative Light Intensity: 0-9999lux

☀	0-1000Lux LOW-;
☀	1000-2000Lux LOW+;
☀	2000-3000Lux LOW+;
☀	3000-4000Lux NOR+;
☀	4000-5000Lux NOR+;
☀	5000-6000Lux NOR+;
☀	6000-7000Lux HGH-;
☀	7000-8000Lux HGH+;
☀	8000-9999Lux HGH+;



- 0-2000:** Only suitable for some ferns, shade-loving crops growth
- 2000-5000:** suitable for indoor ornamental plants, such as spider plants, asparagus, and ivy
- 5000-7000:** Suitable for Sunflowers, roses, tomatoes, pumpkins, and other flowers, vegetables, and trees

**NOTE:**

The light sensor is designed for sunlight testing and is not suitable for artificial light testing.

**Moisture Sensor**

Moisture Range(5 levels):

- ☉ 5-20% DRY-
- ☺ 20-40% DRY+
- ☻ 40-60% NOR
- ☼ 60-80% WET-
- ☽ 80-95% WET+

**5-20%**

Soil is dry, may only suitable for some succulents growth

**40-70%**

Soil is moisture, suitable for most plant growth

**70%-95%**

Soil is wet, suitable for ferns and wet-loving plants



**NOTE:**

Please read the "Plants Watering Guide" to know how much moisture is best for your plant.



### Soil Temperature

- Temperature Range: 0°C / 32°F - 90°C / 197°F
- Seeds germinate on average at soil temperatures of 1-5°C, preferred for warm-loving crops is 8-10°C.
- Root growth becomes more active above 10°C but is hindered when temperatures exceed 35°C.
- The optimal soil temperature for mature plant growth generally ranges from 15 to 27°C.

**NOTE:** The Temperature results are based on comprehensive measurements of soil moisture, sun light and pH, Not a single-element value.



### pH Sensor

pH Range: 3-9

- 3-4 Strongly Acide
- 5-6 Slightly Acide
- 7 Neutari
- 8-9 Slightly Alkaline

**NOTE:** Pay attention to the following tips when do pH test

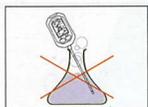
1. Make sure the soil is moisture but no wet.
2. Make sure the probe insert at least 2.5 inches.
3. Most soil in the home garden or the mixed soil you buy from market, they are slightly acidic to neutral, already suitable to your gardening need.

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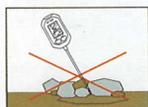
## WARNING



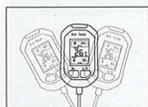
1. DO NOT TEST LIQUIDS.



2. Can not be put into strong acid or alkali liquid.



3. DO NOT FORCE IT INTO HARD SOIL OR HARD OBJECTS.



4. DO NOT SHAKE.

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## SOIL PH LEVELS

These information for your reference only

Common Name	Optimum pH Range
Apple	5.0-6.5
Ash	6.0-7.5
Azalea	4.5-6.0
Basswood	6.0-7.5
Beautybush	6.0-7.5
Birch	5.0-6.5
Blackberry	5.0-6.0
Blueberry	4.0-6.0
Boxwood	6.0-7.5
Cherry, sour	6.0-7.5
Cranlex	6.0-7.0
Chestnut	5.0-6.5
Crab apple	6.0-7.5
Bogwood	5.0-7.0
Elder, box	6.0-8.0
Fir, balsam	5.0-6.0
Fir, Douglas	6.0-7.0
Hemlock	5.0-6.0
Hydrangea, blue-flowered	4.0-5.0
Hydrangea, pink-flowered	6.0-7.0
Juniper	5.0-6.0
Laurel, mountain	4.5-6.0
Leon	6.0-7.5
Lilac	6.0-7.5
Maple, sugar	6.0-7.5
Oak, white	5.0-6.5
Orange	6.0-7.5
Peach	6.0-7.0
Pear	6.0-7.5
Pecan	6.4-8.0
Pine, red	5.0-6.0
Pine, white	4.5-6.0
Plum	6.0-8.0
Raspberry, red	5.5-7.0
Rhododendron	4.5-6.0
Spruce	5.0-6.0
Walnut, black	6.0-8.0
Willow	6.0-8.0
Asparagus	6.0-8.0
Bean, pole	6.0-7.5
Beet	6.0-7.5
Brussoli	6.0-7.0
Brussolis sprout	6.0-7.5
Cabbage	6.0-7.0
Carrot	5.5-7.0
Cauliflower	5.5-7.5
Celery	5.8-7.0
Chive	6.0-7.0
Cucumber	5.5-7.0

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Garlic	5.5-8.0
Kale	6.0-7.5
Lettuce	6.0-7.0
Pea, sweet	6.0-7.5
Pepper, sweet	5.5-7.0
Potato	4.8-6.5
Pumpkin	5.5-7.5
Radish	6.0-7.0
Spinach	6.0-7.5
Squash, crookneck	6.0-7.5
Squash, Hubbard	5.5-7.0
Tomato	5.5-7.5
Allysum	6.0-7.5
Aster, New England	6.0-8.0
Baby's breath	6.0-7.0
Bachelor's button	6.0-7.5
Bee balm	6.0-7.5
Begonia	5.5-7.0
Black-eyed Susan	5.5-7.0
Bleeding heart	6.0-7.5
Conna	6.0-8.0
Carnation	6.0-7.0
Chrysanthemum	6.0-7.5
Clematis	5.5-7.0
Coleus	6.0-7.0
Coneflower, purple	5.5-7.5
Cosmos	5.5-8.0
Crocus	6.0-8.0
Delicidill	6.0-6.5
Dahlia	6.0-7.5
Daisy, Shasta	6.0-8.0
Daylily	6.0-8.0
Delphinium	6.0-7.5
Yeastlove	6.0-7.5
Geranium	6.0-8.0
Gladolius	5.0-7.0
Hibiscus	6.0-8.0
Hollyhock	6.0-8.0
Hyacinth	6.5-7.5
Iris, blue flag	5.0-7.5
Lily-of-the-valley	4.5-6.0
Lupine	5.0-6.5
Marigold	5.5-7.5
Morning glory	6.0-7.5
Narcissus, trumpet	5.5-6.5
Nasturtium	5.5-7.5
Pansy	5.5-6.5
Peony	6.0-7.5
Petunia	5.5-6.0
Phlox, summer	6.0-8.0
Poppy, oriental	6.0-7.5
Rose, hybrid tea	5.5-7.0
Rose, rugosa	6.0-7.0
Snapdragon	5.5-7.0
Sunflower	6.0-7.5
Tulip	6.0-7.0
Zinnia	5.5-7.0

## WARRANTY

OUR RESPONSIBILITY FOR DEFECTIVE GOODS IS LIMITED TO REPAIR, REPLACEMENT OR REFUND AS DESCRIBED BELOW IN THIS WARRANTY STATEMENT.

### WHO MAY USE THIS WARRANTY

This limited warranty only to the consumer who originally purchased the product ("you"). It does not extend to any subsequent owner or other transferees of the product.

### WHAT DOES THIS WARRANTY COVER?

This limited warranty covers defects in materials and workmanship of the 4-in-1 soil meter (the "product") for the Warranty Period as defined below.

### WHAT DOES THIS WARRANTY NOT COVER?

This limited warranty does not cover any damage due to: (1) transportation; (2) storage, (3) improper use; (4) Failure to follow the product instructions or to perform any preventive maintenance (5) modifications; (6) unauthorized repair; (7) normal wear and tear; or (8) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

### WHAT IS THE PERIOD OF COVERAGE?

This limited warranty starts on the date of your purchase and lasts for one year (the "Warranty period"). The warranty period is not extended if we repair or replace the product. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

### WHAT ARE YOUR REMEDIES UNDER THIS WARRANTY?

concerning any defective product during the warranty period, we will, at our sole discretion, either: (a) repair or replace such product (or the defective part) free of charge or (b) refund the purchase price of such product if an exchange unit cannot be provided.

### CUSTOMER SERVICE

In order to keep providing you the best product, we would like to know what you think of our product and we appreciate it for choosing our product and giving feedback.