




Raintrip P403 Soil Tester Instruction Manual

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Raintrip

SOIL TESTER

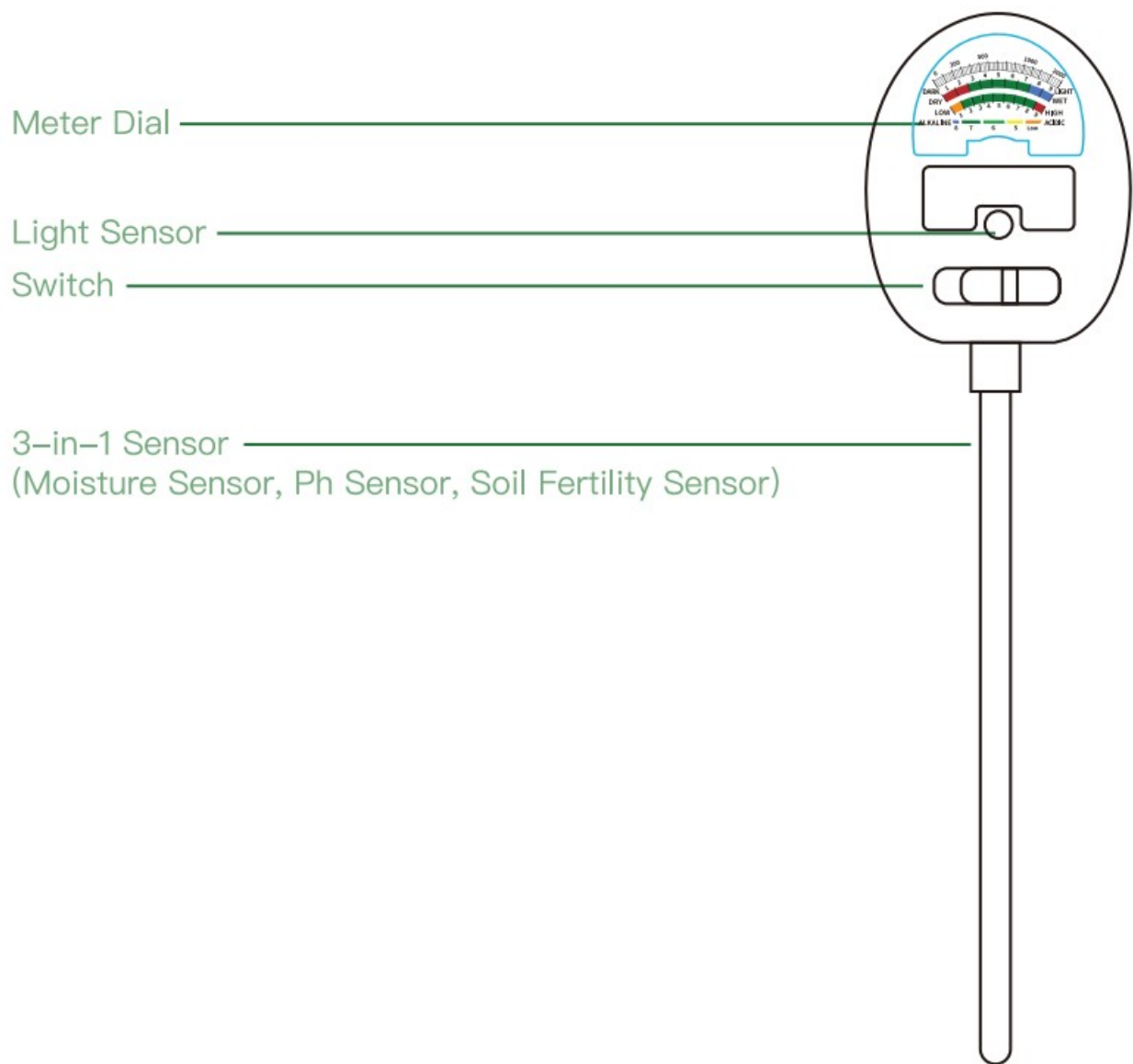
Model: P403

**Household use only
Instruction Manual**

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Name of Each Part

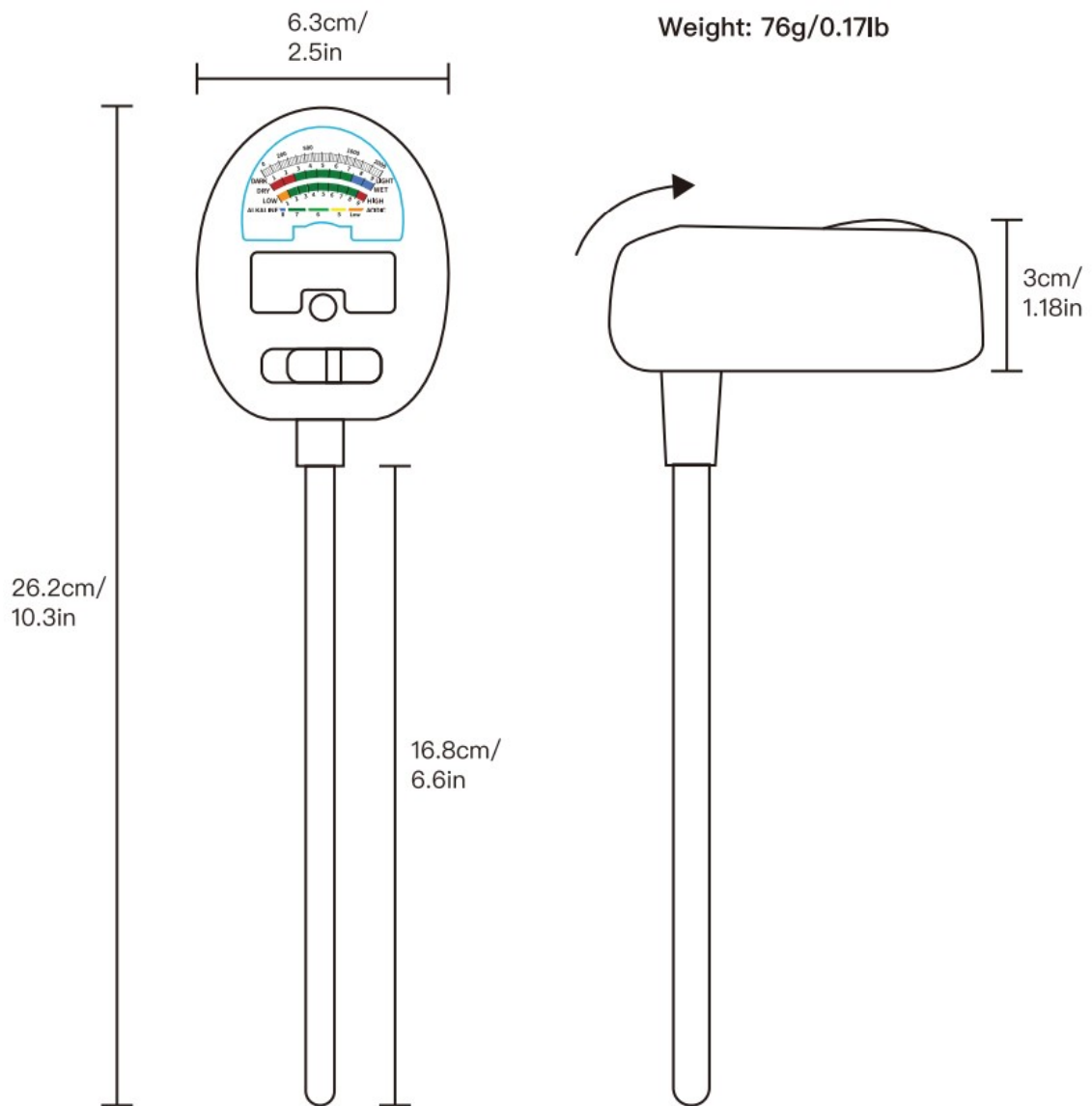


- The illustrations used in this instruction manual may differ from the actual products you have purchased.

Please read these instructions before use, and keep for future reference.

A suitable soil environment is vital for the healthy growth of plants. This means providing ideal soil conditions, adequate water, sunlight, and plenty of nutrients for your plants. Raintrip 4-in-1 soil tester helps you know your soil more clearly and care for your plants better. It will help you avoid some common mistakes made by gardeners, such as over or under watering and planting in an area with insufficient lighting, and even highlight potential issues with soil that is too alkaline or acidic.

PRODUCT DIMENSIONS

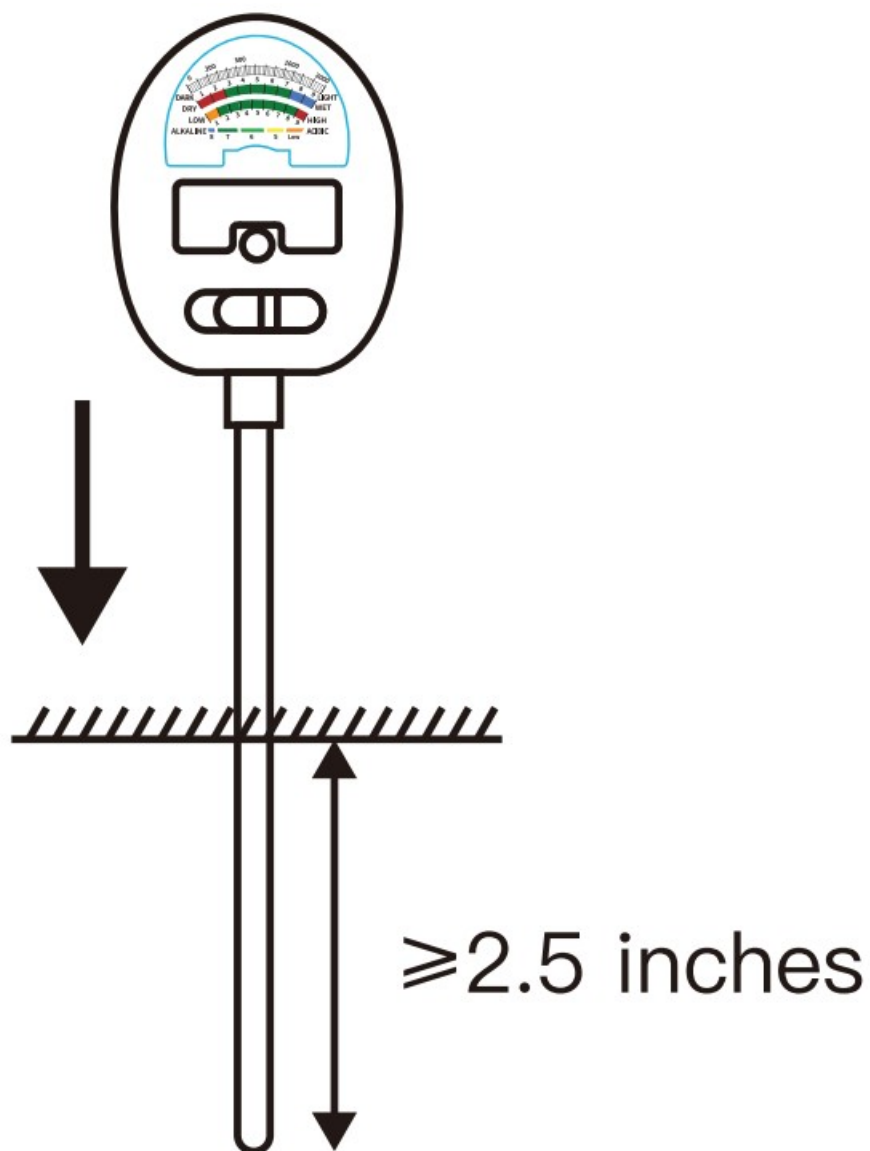


HOW TO USE?

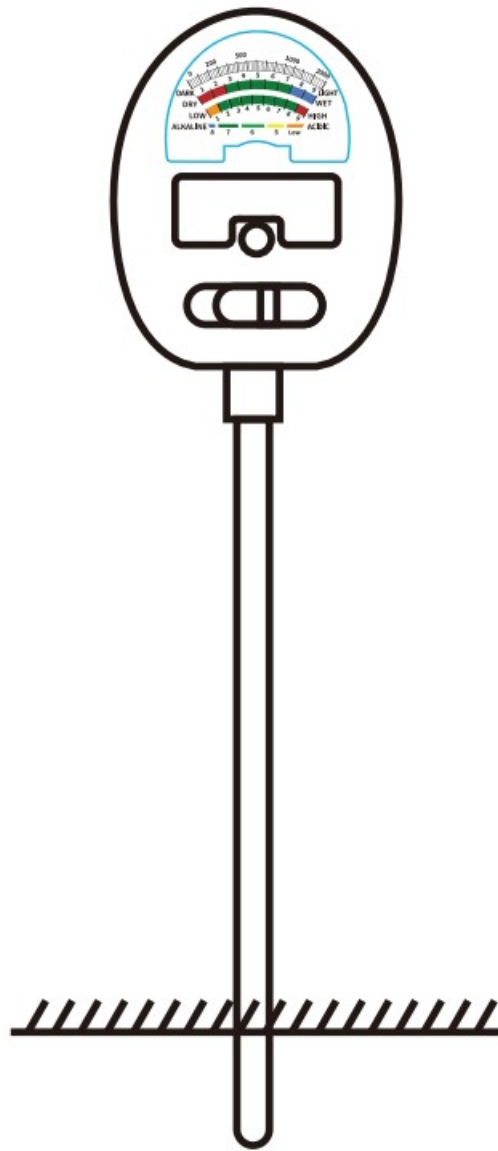
LIGHT MOISTURE NUTRIENT pH



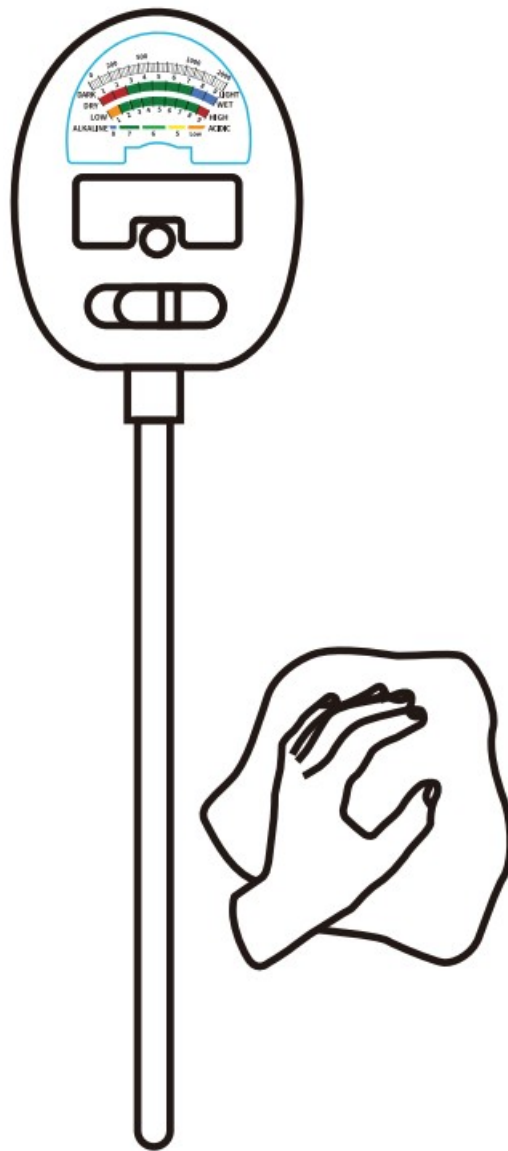
Step 1: Switch light/ moisture/nutrient/pH/ position.



Step 2: Choose a spot, and insert the meter probe into the soil at least 25 inches. Don't force it. If you meet resistance, try another spot.



Step 3: The needle will respond immediately, but read the final results when the needle keeps still.

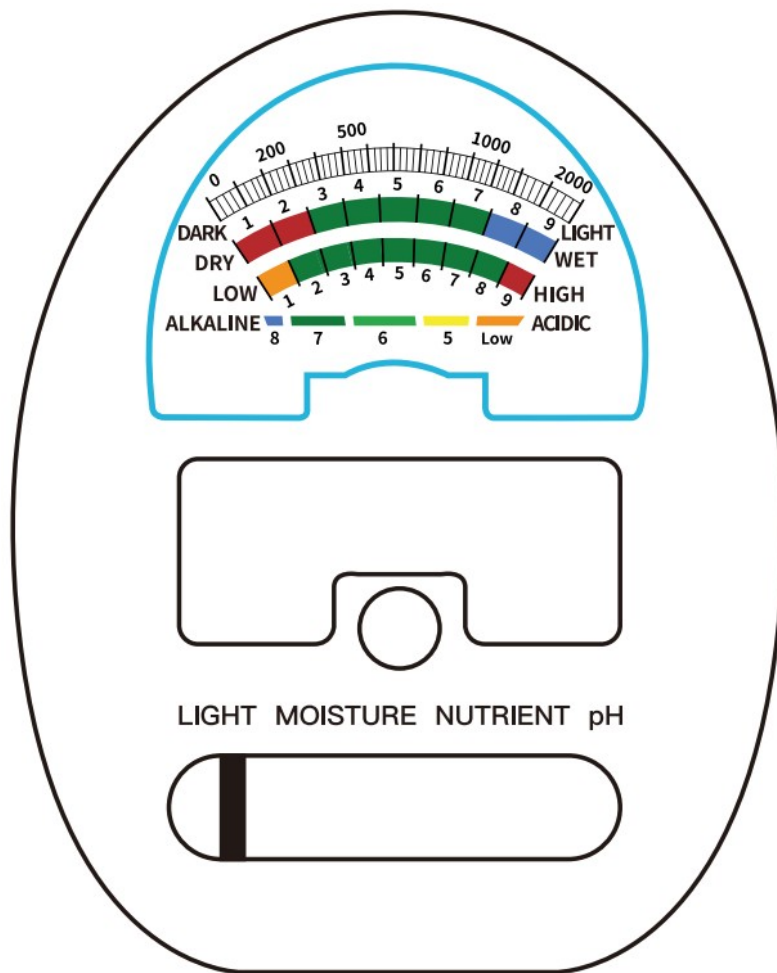


Step 4: Remove the probe from the soil and wipe it clean after each use.

TIPS:

Make sure to regularly inspect the probe and tips, and when you notice any rust, gently polish them using fine sandpaper (#400-1000).

READOUT SEALE

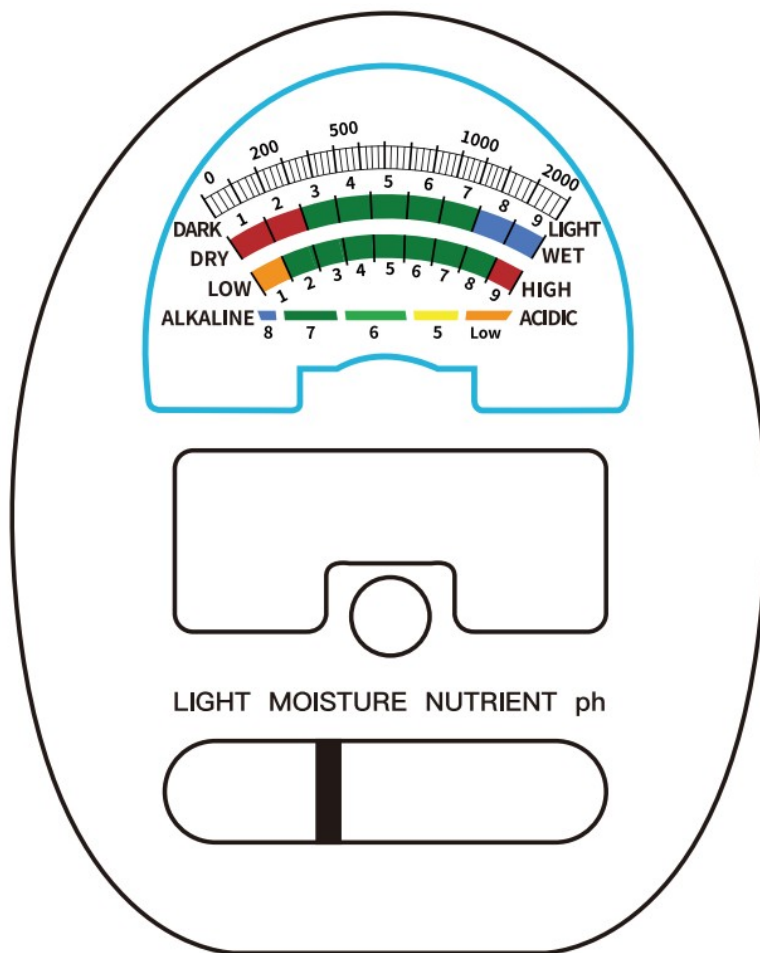


Light Scale

Relative Light Intensity 0-2000lux (0 – 200 LOW, 200 – 500 LOW:+, 500 – 1000 NOR 1000 – 2000 HGH) 0-500: Only suitable for some ferns, shade-loving crops growth 500- 2000: Suitable for most plants

NOTE:

The light sensor is designed for sunlight testing, not suitable for artificial light testing



Moisture Sensor

Moisture Range: 1- 9 (1~ 2 DRY, 3 – 7 NOR, 8 – 9 WET)

■ W Red:1-2

Soil is dry, may only suitable for some succulents growth

■ M Green: 3-7

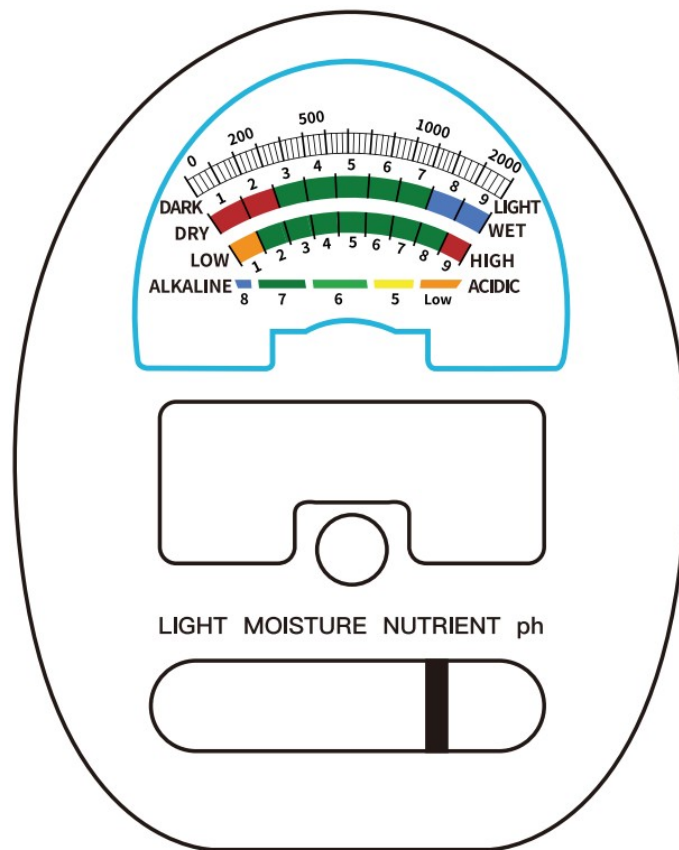
Soil is moisture, suitable for most plant growth

■ M Blue: 8-9

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

NOTE:

Please read the “Plants Watering Guide” (Page 6 to 7) to know how much moisture is best for your plant.



Soil Fertility

Nutrient Range: 1 – 9 (1 LOW, 2 – 8 NOR, 9 HIGH)



Yellow: 1

Soil fertility is insufficient, only suitable for the growth of some succulents.



Green: 2-7

Soil fertility is sufficient and suitable for most plant growth.

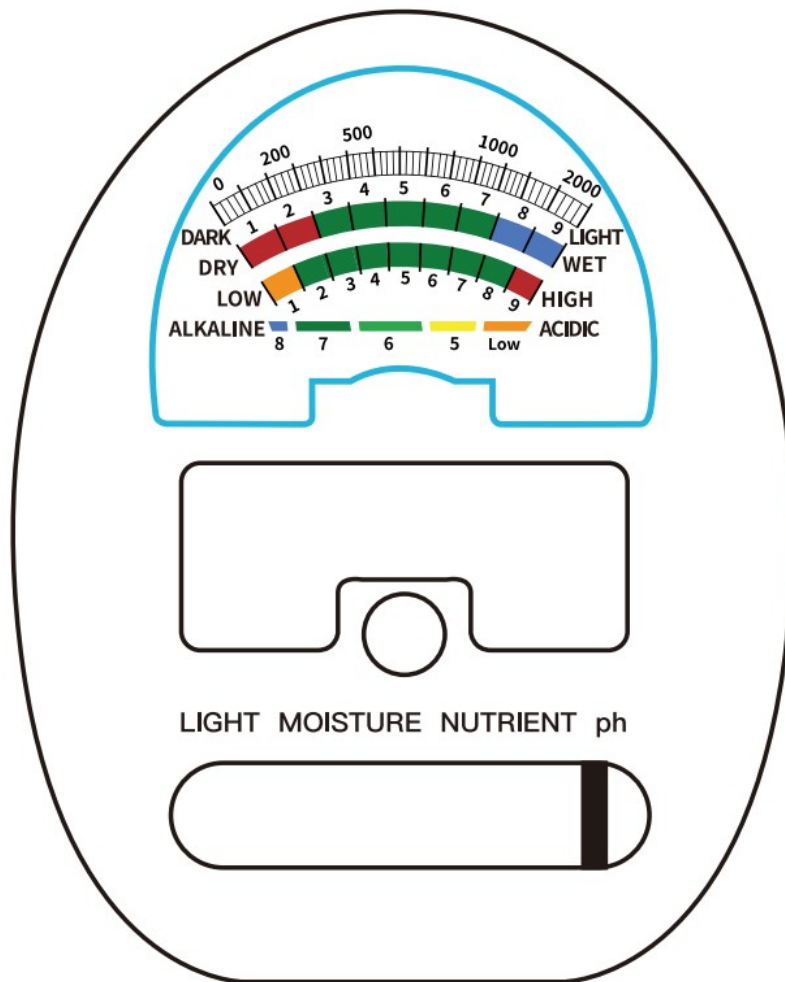


Red: 9

Soil fertility is too much. No need to add fertilizer.

NOTE:

The fertility results are based on comprehensive measurements of soil moisture, nutrients and pH, Not a single-element value.



Ph Sensor

Ph Range: Low—8

LOV Strongly Acidic

5 Acidic

M6 slightly Acidic

W 7 Neutral

M 8 Slightly Alkaline

NOTE:

Pay attention to the following tips when do pH test

1. Make sure the soil moisture value =5.
2. Make sure the probe insert at least 3.9 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.
4. Before testing soil pH, gently polish the TIP and FROBE using fine sandpaper (# 400-1000).

PLANT WATERING GUIDE

These information for your reference only

WATER THESE PLANTS when dry RANGE LEVEL (Red Zone:1-2)

AGAVE

ALOE

ANCHOR PLANT

ASPARAGUS FERN
BABY'S BREATH
BIRD OF PARADISE
CACTI
CAST IRON PLANT
CENTURY PLANT
CRYPTANTHUS
DONKEY'S TAIL
DRACAENA
DUMB CANE
EUPHORBIA
FICUS AUDREY
FIDDLE LEAF FIG
FICUS LYRATA
FLAMING SWORD
LANTANA
LIPSTICK VINE
PEPEROMIA
PILEA
FIRECRACKER PLANT
ORCHID
POINSETTIA
GOLD DUST PLANT
HIBISCUS
JADE PLANT
JASMINE PLANT
OXALIS TRIANGULARIS
PONYTAIL PLANT
SNAKE PLANT
STRING OF HEARTS.
STRING OF PEARLS
SUCCULENTS
27 PLANT

WATER THESE PLANTS when dry RANGE LEVEL (Green Zone:3-5)

ARALIA FALSE
BLUSHING BRIDE
CHINESE EVERGREEN
BONSAI TREE
DAPHNE
BAMBOO PLANT
CEROPEGIA
ECHEVERIA
BEGONIA

CHAIN CACTUS
FLAMINGO PLANT
FITTONIA
GLORY LILY
HOYA
SPRAY FOLIAGE DAILY IVY
LANTERN PLANT
LIVING VASE PLANT
MONEY TREE
MONSTERA DELICIOSA
PEACE LILY
PHILODENDRON
POLKA DOT PLANT

POTHOS
 RHAPHIDOPHORA TETRASPERMA
 RUBBER PLANT
 SPIDER PLANT
 TRADESCANTIA ZEBRINA
 VELVET PLANT
 WEEPING FIG

WATER THESE PLANTS when dry RANGE LEVEL (Green Zone:

ACTION PLANT
 AFRICAN VIOLET
 ALOCASIA
 ANTHURIUM
 AZALEA
 BABY TEARS
 BAY TREE
 BUDDHIST PINE
 CALADIUM
 CALATHEA
 CALLA LILY
 CHRISTMAS
 CACTUS
 COLEUS
 CREEPING FIG
 GARDENIA
 SENSITIVE PLANT
 COLOCASIA
 FINGERNAIL PLANT
 TEMPLE BELLS
 CROTON
 DIEFFENBACHIA
 DRACAENA PALM
 EUONYMUS
 FERNS
 PALM
 PRAYER PLANT

DON'T WATER PLANTS AT WET LEVEL (Blue Zone: 8-9)

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
Azalea	6.0-7.0
Chestnut	5.0-6.5
Crab apple	6.0-7.5
Dogwood	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
Lemon	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
Broccoli	6.0-7.0
Brussels 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
Garlic	55-8.0
Kale	60-75
Lettuce	6.0-7.0
Pea, sweet	60-7.5
Pepper, sweet	55-7.0
Potato	4.8-6.5
Pumpkin	5.5-7.5
Radish	6.0-7.0
'Spinach	6.0-75
'Squash, crookneck	6.0-75
'Squash, Hubbard	5.5-7.0
Tomato	5.5-7.5
Alyssum	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	6.0-75
Canna	6.0-8.0
Carnation	6.0-7.0
Chrysanthemum	6.0-75
Clematis	5.5-7.0

Coleus	6.0-7.0
Coneflower, purple	5.0-7.5
Cosmos	5.0-8.0
Crocus	6.0-6.0
Daffodil	6.0-6.5
Dahlia	6.0-7.5
Daisy, Shasta	6.0-6.0
Daylily	6.0-8.0
Delphinium	6.0-7.5
Foxglove	6.0-7.5
Geranium	6.0-8.0
Gladiolus	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
Pans)	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

LIGHT SCALE READINGS CHART

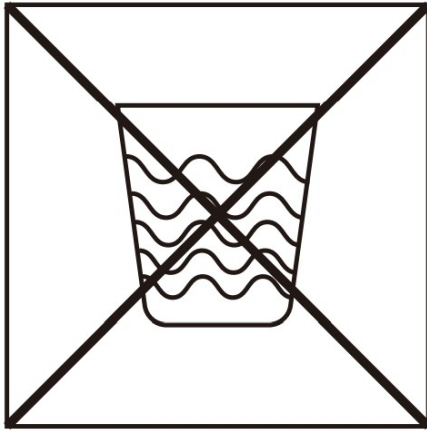
The minimum light needed for at least 16 hours per day.
These information for you reference only.

PLANT	LIGHT
'African Violet	500-2000
Aglaonema	50-500
Aphelandra	100-1000
Aralia	100-1000
Ardisia	100-1000
Azalea	500-2000
Baby's Tears	100-1000
Begonia	100-1000
Bromeliad	50-500
Cactus	500-2000
Cladium	100-1000
Chinese Evergreen	50-500
Christmas Cactus	100-1000
Coffee	100-1000
Coleus	500-2000
Crassula	500-2000
Croton	500-2000
Crytanthus	500-2000
Dieffenbachia	100-1000
Dracaena	100-1000
Eunymus	100-1000
False Aralia	500-2000
Ferns	100-1000
Ficus	100-1000
Fiddleleaf Fig	100-1000
Fittonia	100-1000
Flame Violet	500-2000
Gynura	500-2000

'Hawaiian Ti	500-2000
Hoya	500-2000
vy English	100-1000
Ivy,Grape.	500-2000
vy, Swedish	500-2000
Jade Plant	500-2000
Kalancho	500-2000
Landscape Plants	500-2000
Lawns'	500-2000
Maranta	100-1000
Ming Aralia	500-2000
Nepthytis	100-1000
Norfolk Island Pine	500-2000
Palms	100-1000
Peperomia	160-1000
Philodendron	100-1000
Pilea	100-1000
Podocarpus	500-2000
Pothos	100-1000
Prayer Plant	100-1000
Rubber Piant	100-1000
Sansevieria	100-1000
Schefflera	500-2000
Scidapsus	100-1000
'Spathiphyllum	50-500
'Spider Piant	100-1000
Spineless Yucca	500-2000
Succulents & Cactus	500-2000
Tiger Jaws	500-2000
Wandering Jew	100-1000
Zebra Plant	500-2000

SPECIAL REMINDER :

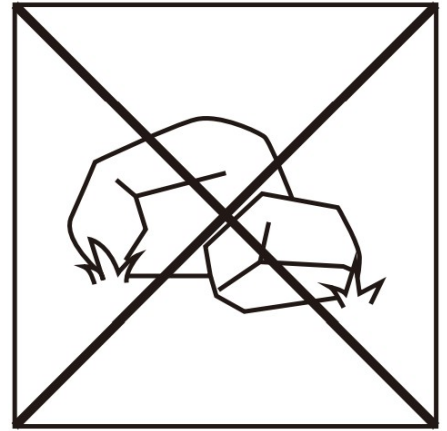
1. Don't force the meter into the soil; when meeting the resistance, insert it in another spot.
2. Clean and wipe the probe after each use.
3. Don't insert it in the soil for a long time.
4. Only applied to test the soil. (NOTE THAT IT CAN'T TEST THE WATER or any other liquids)
5. Do not use the meter to loosen the soil.



DO NOT TEST WATER



DO NOT TEST LIQUIDS



DO NOT FORCE IT INTO HARD
SOIL OR HARD OBJECTS

FREQUENTLY ASKED QUESTIONS

1. Q: Is this meter good for testing outdoor garden plants such as tomatoes and peppers etc.?

A: It worked fine outside. Also don't forget to remove it from your plant and clean.

2. Q:What is the warranty for the tester?

A:12 months replacement warranty from seller.Any quality-related issue please free feel contacting the seller and will do our best help you within 48 hours. Please email your order number and detailed problems to us. support@raintrip.net

3.G:How deep can this go?

A: The probes are 6.6

4. Will this work for testing over-watering in a 5 gallon grow bag/pot?

5. Q:Do | have wait 10 mins each if i want to measure moisture, light & ph? will it be 30 mins to measure everything?

A: No. As s00n as you put it in the sol, the reading appears.You do have to manually select the measurement, ie. PH, light or moisture, Please keep a clean towel handy to wipe the sensors off and go to the next plant.

6. Q:can you just leave it in the soil 24/72

A:Don't insert it in the soil for a long time. Remove it out and clean after testing,

7. Q:Does pushing the rods into a potted plant harm the roots? If yes, will this effect the plant?

A: Depending on the plant, stay toward the edge of the pot, you should be fine...f you feel resistance, try different spot.

8.Q: Can | use your soil tester under the plant lamp to measure the soil's light?

A: The light test is designed for sunlight testing originally, not suitable for the plant lamp or artificial light. However, when you put it close to the artificial light source, it has results as well.

9.Q: Can this be used for extremely dry soil in Bonsai Containers?

A: Not recommended. You'd better water the soil moderately, then test the moisture again.

10. Q: What powers the unit?

A:No battery s required.

SPECIFICATIONS

Color:	White
Power:	No Battery Needed
Size:	26.2 x 6.3cm/10.3 x 2.5in
Weight:	76g/0.17lb
Ph Sensor	
pH Range:	Low-8 pH (Low:Strongly Acidic, :Acidic, 6:Slightly Acidic, 7 Neutral, 8 Slightly Alkaline)
Soil Fertility	
Nutrient Range:	1 – 9 (1LOW, 2 – 8 NOR, 9 HGH)
Moisture Sensor	
Moisture Range:	1- 9 (1 – 2 DRY, 3 – 7 NOR, 8 – 9 WET)
Light Scale	
Relative Light Intensity	0 – 2000lux

LIMITED WARRANTY ON MOISTENLAND 4-IN-1 SOIL METER

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 Moistenaland 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

We hope you never have the need, but if you do, our service is friendly and hassle-free



support@raintrip.net



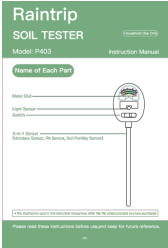
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Light/Moist/Fertility/pH test guide

<https://youtu.be/ZWOHOrW4JgY>



[Raintrip P403 Soil Tester](#) [pdf] Instruction Manual
P403 Soil Tester, P403, Soil Tester, Tester

References

- [User Manual](#)