Reflectance Meter

Operation Manual

Thank you for purchasing our product.
Please read this manual carefully before use.

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Reflect Meter User Manual

1 Introduction

The Reflect meter are designed and manufactured according to international standard ISO2814. It's easy to Carrey and measure.

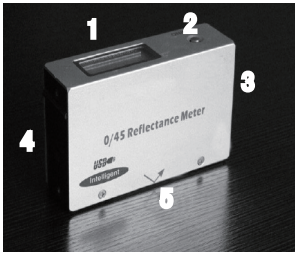
2 Feature

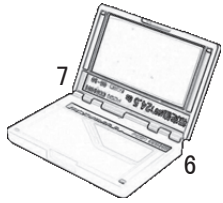
1) Small and light, real easy to be carried and used.
2) Auto calibration.
3) One 1.5V alkaline Battery can be used for almost 60 hours and 100,000 reading.
4) Long-term stable light source needs no replacing for ever.
5) Statistics-Mode.

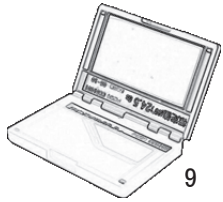
3 Main parameters

1)Measure range:0 ～ 100%
2)Measurement condition :0/45°
3)pepeatability:15%
4)Power supply: One 1.5V alkaline battery or rechargeable
Operating Voltage:0.8V ～ 1.5V
5)Window Size:12×17mm(ellipse)
6)Environment Condition:Temp.0℃～ 40℃
Relative humidity:less than 85%
7.Dimension:114mm×32mm×64mm
Weight:300g

4 Overview

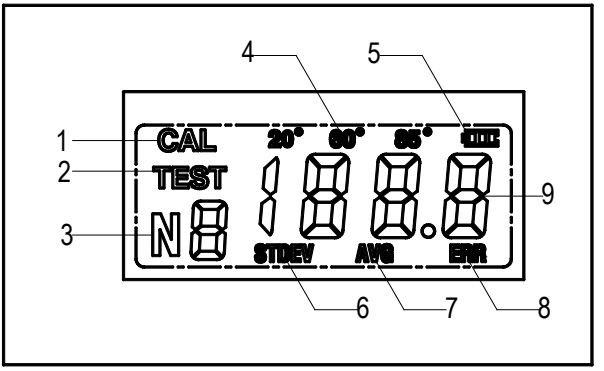






1 Display 2 ON/Meas. 3 USBInterface 4 Battery
5 Meas. Spot 6 Cal. Holder 7 Gloss Value
8 Standard Board 9 Check Board

Display



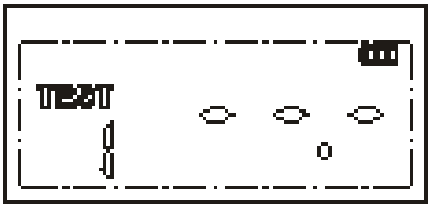
1 Calibration 2 Test(Measurement) 3 Statistics

4 Geometry 5 Battery 6 Standard deviation

7 Average 8 Error 9 Value

5 Operation

Power on

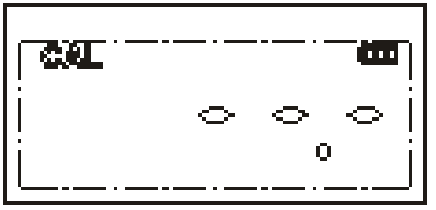


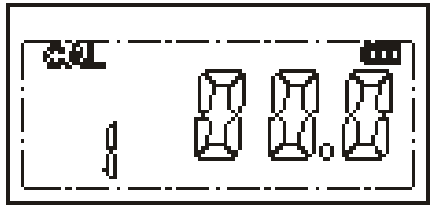
Switch on the instrument by pressing the key shortly. The buzzer sounds twice shortly. The instrument turn into fast measurement model.

Calibration

a.Black standards board calibration

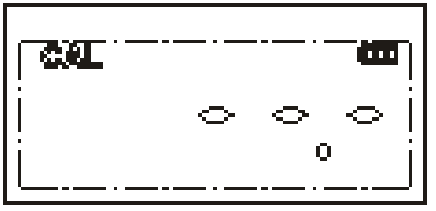
Put the instrument to the black standard board, the buzzer sounds once, then the instrument can start black standards board calibration. Pressing the key shortly, the buzzer sounds once shortly. It is completed to the black standards board calibration .

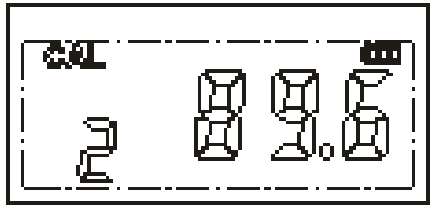




b.White standards board calibration

After completed black standards board calibration, put the instrument to the white stands board. Pressing the key shortly, the buzzer sounds once shortly. It is completed to the white standards board calibration .





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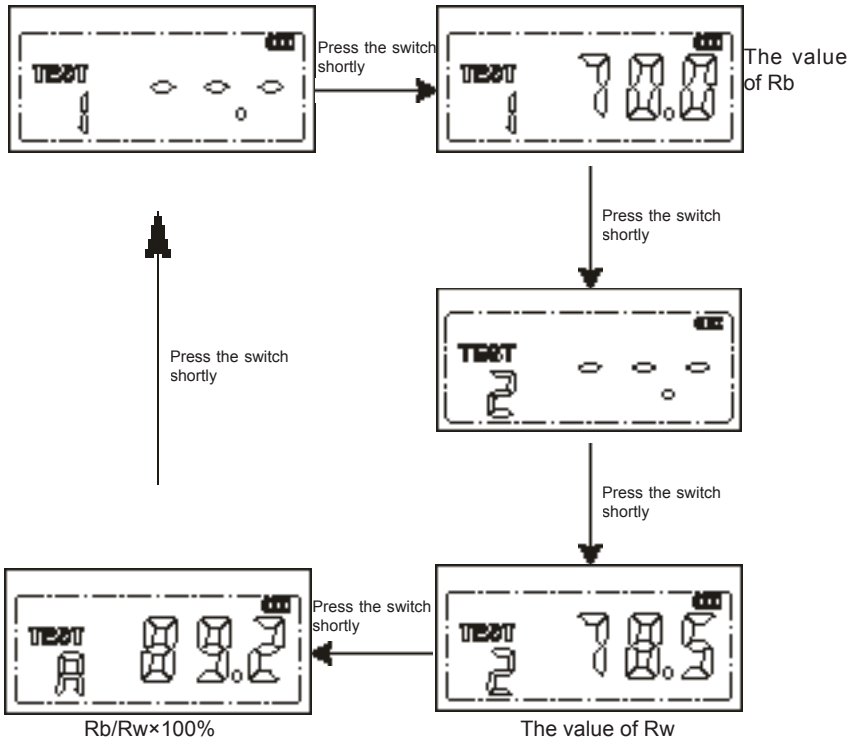
If need to scaling, please repeat the above two steps.
Note: In calibration, must the instrument put into card slot. The job doesn't needoperation every time. In order to guarantee the accuracy, the standard board must keep clean.

Fast Measuremet

Position the instrument on the measuring spot of your sample and press switch shortly. Immediately the Rb value will be displayed on the screen. Press the switch shortly again, immediately the Rw value will be displayed on the screen. Press the switch shortly again, if the value of R is greater than 1, the ratio value of Rb/Rw will be displayed on the screen. Measure"Rb" value: Put the reflect meter into the black board, it's the "Rb" value. Measure"Rw" value: Put the reflect meter into the black board, it's the "Rw" value.



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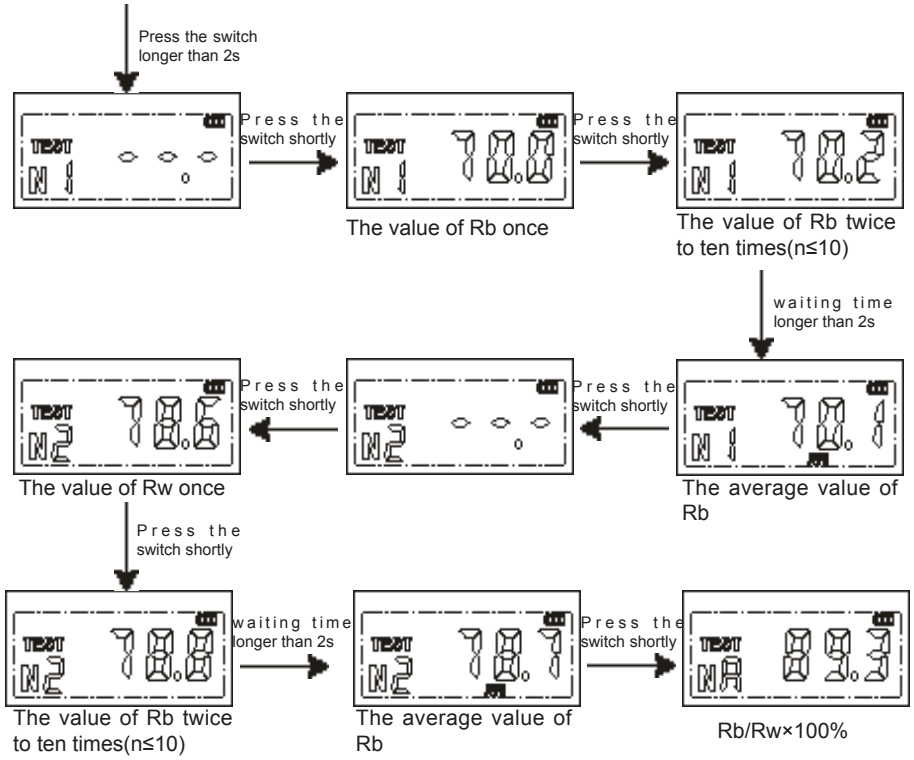
Statistics Measuremet

Press the switch long (longer than 2 seconds). The instrument switches into the statistics mode. Press the switch shortly, immediately the Rb value will be displayed on the screen once. Press the switch shortly again, the Rb value will be displayed on the screen twice. If the waiting time is longer than 2 seconds, the average value of Rb can be calculated automatically. Press the switch shortly, immediately the Rw value will be displayed on the screen once. Press the switch shortly again, the Rw value will be displayed on the screen twice. If the waiting time is longer than 2 seconds, the average value of Rw can be calculated automatically. Press the switch shortly again, if the value of R is greater than 1, the ratio value of Rb/Rw will be displayed on the screen automatically. Measure"Rb" value: Put the reflect meter into the black board, it's the "Rb" value. Measure"Rw" value: Put the reflect meter into the black board, it's the "Rw" value.



Power Off

Power off: 1) Reflect meter will be power off in two minutes without any operation automatically o.The buzzer sounds twice shortly.
2) Long press key in calibration mode

6 Attention

●The measurement unit consists of sensitive optical and elec-tronic precision parts. Prevent it from being dropped or bumped or jostled!

●Do not hold the unit by the measurement aperture. You should not allow any foreign objects to get into this opening.

●Should prevent the strong light from penetrating directly while using otherwise influence the accuracy of measuring.

●Sample preparation must according to the correlative standard.

●Avoid prolong high relative humidity and do not allow water to from condensation(see Technical data).

●Protect the measuring unit from moisture, chemicals and cor-rosive vapors.

●The holder and the unit housing are resistance to many so-lvents. However, we cannot guarantee resistance to all chemicals. You excessive dirt and dust, use ethanol or cleaning alcohol. For cleaning alcohol. Do not use any acetone!

●Please note that batteries are special refuse and shall not be disposed of together whit household refuse. Pay attention to the producers instruction or how to dispse of the battery.

7 After service

This instrument or part has one year limited warranty. Under normal behavior in service any because the instrument itself quality question causes the breakdown.This company free services or the replacement for you. Following several kind of situations outside free maintenance scope:

- ●The instrument depreciation, falls bumps, the outer covering has falls the mark obviously.
- ●The instrument the liquid immersion, the corrosion, as well as the battery flows the damage which the fluid creates.
- ●The user turns on the instrument arbitrarily, the product namely loses the maintenance.

8 Package list

1. Reflect meter
2. Standard Box(Black Crystal Board/White Ceramics Board)
   Remark:SP serial not include White Ceramics Board
3. User Manual
4. Certificate of quality
5. Lens Cloth
6. Protable case
7. Paper box