INSIZE

5701-D40
SPECTROPHOTOMETER
Operation Instruction

PLEASE SCAN QR CODE TO WATCH THE OPERATION VIDEO OF PRODUCTS.
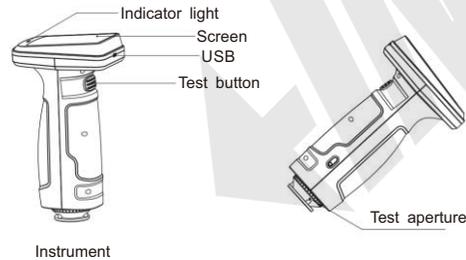
VIDEO

INSIZE

Warning

Please read this manual carefully before using the product.

- Do not attempt to disassemble or replace any part of the equipment.
- Do not place the equipment near heat source or directly expose to the fire.
- If any liquid enters the equipment, please power off the equipment immediately.
- This product contains small parts, it may cause suffocation and other hazards ,if swallowed by children.
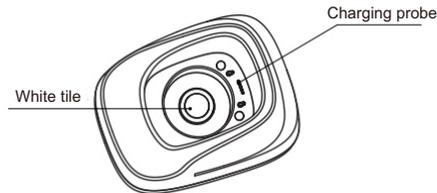
Product Performance Failure Table

Name	Performance failure
Spectrophotometer 5701-D40	1.The equipment can't power on. 2.The equipment's button can't work normally. 3.equipment screen fails to work normally. 4.Equipment lamp fails to work normally. 5.APP can't connect.

Product introduction

Indicator light
Screen
USB
Test button

Test aperture

Instrument

Charging probe

White tile

Calibration and charging base

Quick start

1.Power on and calibration

1 meter above the ground

Power on

Put the instrument intp the calibration base for white calibration

Measure air for black calibration

2.How to measure color difference

Measure target

Enter into color difference measurement interface

Measuresample to get the color difference

3.Switch aperture

Remove the aperture

Rotate the aperture buckle

Choose MAV/SAV according to the aperture size

4.Power off

Long press 3s

V1

Parameters

MN-5701-D40-C/E

Geometry:	d/8, SCI+SCE
Sensor:	Dual optical path high precise CMOS array sensor
Spectroscopic method:	Grating spectroscopy
Sphere size:	Ø40mm
Wavelength range:	400~700nm
Wavelength interval:	10nm
Reflectance range:	0~200%, resolution 0.01%
Light source:	LED (full wavelength balanced LED) +UV
Measurement time:	About 1.5s
Illumination area/Aperture:	4 Apertures (MAV:Ø11mm; SAV:Ø6mm, Ø3mm; MINI:1×3mm)
Repeatability☆:	ΔE*ab≤0. 025
Inter-instrument agreement☆☆:	ΔE*ab≤0. 25
Language:	English and Chinese
Display resolution:	0.01
Observer angles:	2°/10°
Illuminants:	A,B,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6, F7,F8,F9,F10,F11,F12,CWF,U30,U35,DLF,NBF,TL83, TL84,ID50,ID65,LED-B1,LED-B2,LED-B3,LED-B4, LED-B5,LED-BH1,LED-RGB1,LED-V1,LED-V2
Color spaces and indices:	Reflectance, CIE-Lab, CIE-LCh, HunterLab, CIE-Luv, XYZ, Yxy, RGB, Color difference（ΔE*ab, ΔE*cmc, ΔE*94, ΔE*00）, WI (ASTM E313-00, ASTM E313-73, CIE/ISO, AATCC, Hunter, TaubeBergerStensby), YI (ASTM D1925, ASTM E313-00, ASTM E313-73), Blackness (My, dM), Color fastness, Tint (ASTM E313-00), Color Density CMYK(A,T,E,M), Milm, munsell, Opacity, Color strength
Storage:	APP mass storage
Interface:	USB, Bluetooth
Battery:	Rechargeable 8000 times continuous tests 3.7V/3000mAh
Camera to see the measurment area:	Yes
Calibration:	Intelligent auto calibration
Software:	Windows
Standards:	Conform to CIENo.15, ISO7724-1, ASTME1164, DIN5033Teil7
Screen:	IPS full color screen, 3.5 inches
Light source lifetime:	10 years, 1 million test

☆When a white tile is measured 30 times at 5-seconds interval with MAV
☆☆BCRA series Ⅱ, average measurement of 12 tiles
Parameter are subject to change without notice