+INSIZE+

5707-DS78

PORTABLE SPECTROPHOTOMETER
OPERATION MANUAL

+INSIZE+

www.insize.com

MN-5707-DS78-E

V0

https://m.insize.com/5707.html

EN-- Please scan the QR code or visit the website for operation manual.

IT --- Scansiona il codice QR oppure visita il sito web per il manuale d'uso.
CZ-- Pro návod prosím naskenujte QR kód nebo navštivte webovou stránku.
ES -- Por favor, escanee el código QR o visite la página web para ver el manual de instrucciones.
FR-- Veuillez scanner le QR Code ou visiter notre site web pour accéder aux manuels d'utilisation.
DE-- Bitte scannen Sie den QR-Code oder besuchen Sie die Website für die Bedienungsanleitung.
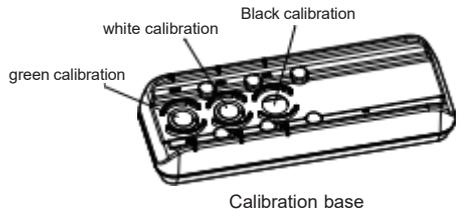PT -- Para aceder ao manual de instruções, por favor, faça a leitura do código QR ou visite o nosso site.
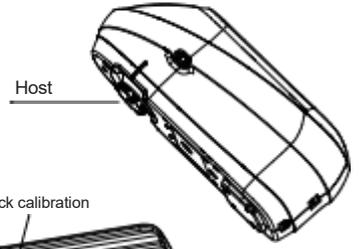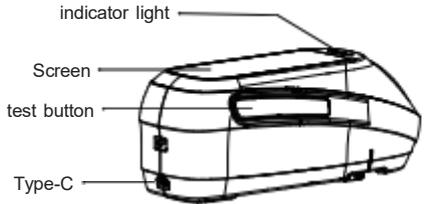
Product introduction

Please read this manual carefully before using the product.

indicator light

Screen

test button

Type-C

Host

Black calibration

white calibration

green calibration

Calibration base

Quick Start

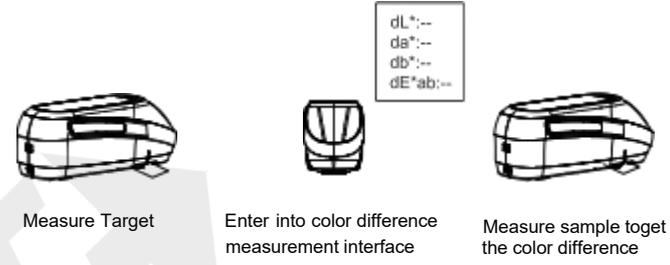1.Power on and Calibration

Power on

Place the instrument
on the whiteboard
Perform white calibration

Place the instrument
on the black cavity
Perform black calibration

2. How to measure color difference

dL*:--
da*:--
db*:--
dE*ab:--

Measure Target

Enter into color difference
measurement interface

Measure sample toget
the color difference

3.Switch Aperture

remove the aperture.

Rotate the aperture buckle

Choose MAV or SAV acc-ording
to the aperture size.

4. Power off

Long press 3s

SPECIFICATION

Optical geometry	D/8 (diffused illumination/8° direction reception) SCI+SCE
Integrating sphere size	Ø40mm
Lighting source	full-band balanced LED + xenon lamp
Sensor	dual-row high-precision CMOS image sensor
Calibration mode	BCRA certified black and white board energy calibration, green board wavelength accuracy calibration
Spectrophotometric mode	grating
Display accuracy	0.01
Light source lifetime	10 million times measurements
Wavelength range	360nm~780nm
Wavelength interval	10nm
Measurement range	0~200%
Reflectance resolution	0.01%
Measuring aperture	Ø11mm, Ø10mm, Ø6mm, Ø3mm
Repeatability	0.01 ΔE*ab (after instrument calibration, the white board was measured 30 times at 5s intervals with the MAV calibre)
Inter-instrument error	0.2 ΔE*ab (BCRA series II 12 colour plates MAV calibre measurement average)
Observer angle	2°/10°
Colorimetric index	spectral reflectivity, CIE-Lab, CIE-LCh, HunterLab, CIE-Luv, XYZ, Yxy, RGB (ΔE*ab, ΔE*cmc, ΔE*94, ΔE*00), Whiteness (ASTM E313-00, ASTM E313-73, CIE, ISO2470/R457, AATCC, Hunter, Taube Berger Stensby), Yellowness (ASTM D1925, ASTM E313-00, ASTM E313-73), Blackness (My, dM), Strength, Fastness, Tint (ASTM E313-00), CMYK (A, T, E, M), Milm, Munsell, Opacity, Color strength
Illumination	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
Measuring time	1s
Date storage	instrument: 10000 pcs, app: mass storage
Locating method	color camera preview
Display screen	3.5-inch full-colour screen, capacitive touch screen
Interface	USB, bluetooth
Calibration	automatic intelligent calibration
Software support	Andriod, iOS, Windows
Power	Li-ion battery, 7.2V, 3000mAh, fully charged continuous test 8000 times

Warning

· Do not attempt to disassemble or replace any part of the equipment. Please contact the agent or official customer service for after sales service.

· 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.

Troubleshooting Table

Name	Performance failure
Spectrophotometer	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.Bluetooth can't connect.