

R800

SPECTROPHOTOMETER

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R800

SPECTROPHOTOMETER

PORTABLE TYPE

High performance, small, and compact.

EASY OPERATION

- Menu-based operation screens
- Assistance function
- Online help key

OPTICAL GEOMETRY

- 45°/0

MEASURING WAVELENGTH

- 400nm~700nm

OUTPUT INTERVAL

- 5nm

MEASUREMENT DIAMETER

- ϕ 3mm

HIGH PRECISION (REPEATABILITY)

$\Delta E^*ab < 0.05$

VARIETY OF FUNCTIONS

- Chromaticity (X-Y-Z, $L^*a^*b^*$, etc.)
- Color difference equations (ΔE^*ab)
- Densitometer functions (C-M-Y-K Display)

GRAPHIC DISPLAY

Large-sized graphic LCD (enables display of the spectral reflectance graph)

USER FRIENDLY

- Selectable language (English/Spanish/French)
- Left or right hand display option
- Sound control

EXTERNAL COMMUNICATION FUNCTION

USB, RS-232C

SOFTWARE (OPTIONAL)



R800 SPECTROPHOTOMETER SPECIFICATIONS

- DIMENSIONS
204mm(L) x 80mm(W) x 80mm(H)
- WEIGHT
Approximately 650g (including battery)
- APERTURE DIAMETER
 ϕ 3mm
- LIGHT SOURCE
LED
- OPTICS (Illumination/Viewing System)
0°/45°
- SPECTRAL RANGE
400nm~700nm
- MEASUREMENT RANGE
0 to 200% reflectance
- ILLUMINANT (JIS Z8720)
A, C, D50, D65
- STANDARD OBSERVERS
2°, 10°
- FILTER RESPONSE
Status-T, E, A, I
DIN: Wide, Narrow
- MEASURING TIME
Approx. 1 second
- DISPLAY
128x64 Dot Graphic LCD
- OPERATING TEMPERATURE RANGE
5-40° C
- INTERFACE
USB, RS-232C
- MEASUREMENTS PER CHARGE
Approx. 1,000 (Internal Testing)
- POWER SOURCE
Li-ion (3.7V-3,200mAh)
- MEASUREMENT FUNCTIONS COLOR VALUES
XYZ
 $L^*a^*b^*$
CMYK
- COLOR DIFFERENCES
 ΔXYZ
 $\Delta L^*a^*b^*$
 $\Delta CMYK$
- DENSITOMETER FUNCTIONS
Density, Density Difference,
Dot Area, Dot Gain, Ink Trap
- M Factor (ISO-13655)
M0, M1, M2
- REPEATABILITY
 $\Delta E^*ab < 0.05$ (standard deviation
for average value source 20 times
measurement of white board)
- DATA STORAGE
400 Data
- REFERENCE COLORS
40 Data (direct key entry or from stored data)
- AC ADAPTER
DC 5V-2A 100-240V
- RECHARGE TIME
Approx. 3 hours
- LANGUAGE OPTIONS
English, Spanish, French, Japanese
- STANDARD ACCESSORIES
Calibration Board, Zero Cap, AC Adapter,
CD Manual, USB Cable, Carrying Case

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