Colorimeter

Model **MSCDN300SWISS** | Brand **Master Science**



Colorimeter

The MSCDN300SWISS Colorimeter is a compact and highly efficient device designed for accurate and reliable color measurement. Its ergonomic design ensures convenient operation and ease of use, while advanced software and power management features provide added functionality and long-lasting performance.

KEY HIGHLIGHTS

- TFT LCD display for clear data visualization.

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

This colorimeter is ideal for a wide range of applications, including color difference analysis, chromaticity indexing, and database management of color samples.

Key Features

ERGONOMIC STRUCTURE ENSURES COMFORTABLE HANDLING.

Auto white and black calibration at startup simplifies usage.

HIGH PRECISION AND REPEATABILITY FOR CONSISTENT RESULTS.

Stable detector performance with silicon photoelectric diode technology.

FAST AND CONVENIENT OPERATION

TFT LCD display for clear data visualization.

Technical Specifications

PARAMETER	SPECIFICATION
FeatureDetails	
Illuminating/Viewing Geometry8/d	
Measuring Apertureφ8mm	

PARAMETER	SPECIFICATION
DetectorSilicon photoelectric diode	
Color SpaceCIELabCh*, CIELab*, CIEXYZ	
Color Difference FormulaΔEab, ΔLab, ΔEC*h	
Light SourceD65	
Light Source DeviceLED blue light excitation	
DisplayTFT LCD	
Errors Between Equipments≤0.50ΔE*ab	
Storage Capacity100 standards, 20,000 samples	
RepeatabilityStandard deviation within ΔE*ab 0.08	
Lamp Life5 years, over 1.6 million uses	
Charging Time2 hours (8 hours for first charge)	
Measurement Times Before Recharge3,000 measurements (in 8 hours)	
Operating Temp./Humidity Range-10~40°C, 0-85% RH (no condensation)	
Data InterfaceUSB	
Optional AccessoriesUniversal Test Components, Powder Test Box, Miniature Thermal Printer	
Power SupplyRechargeable Li-ion battery (3.7V @ 3200mAh)	
External Size (W×D×H)205×70×100 mm	
Package Size (W×D×H)370×170×310 mm	
Net Weight0.45 kg	
Volume Weight3 kg	

Additional Information

Textiles and clothing.
Paints and coatings.
Plastics and polymers.
Printing and packaging.
Food and beverages.
The MSCDN300SWISS Colorimeter is a cutting-edge tool for professionals seeking precise and reliable color measurement. With its advanced features, ergonomic design, and long-lasting battery, it ensures maximum efficiency and ease of use for all your colorimetric needs.