

PORTABLE COLOR DIFFERENCE METER TCD100



Brief Introduction

· · TCD100 is a light-sensitive instrument mainly used in colorimetry for measuring and psychophysical analysing the color of an object or color sample. This portable colorimeter is easy to use and can be carried anywhere, irrespective of environmental conditions.

Features

- · Easy and direct operation with the simple function keys
- · Display directly color difference by $\bullet E^*ab$, $\bullet L^*a^*b$ CIE L^*a^*b , CIE L^*c^*h
- · Silicon photodiode as light sensors for analyzing the absorption spectra
- · Standard deviation within $\bullet E^*ab0.2$ (Test condition: choose average values by 12 pcs white tabula)
- · Possibility of measuring any color of smooth surface
- · LED illumination available
- · Communication with PC the practical software

Technical Specification

Test accuracy	Within 0.2 $\bullet E^*ab$
Color space	$\bullet E^*ab$, CIE_Lab, $\bullet L^*$, $\bullet a^*$, $\bullet b^*$, CIE_Lch
Measuring range	L: 0 \bullet 100 a: \bullet 128 \bullet 127 b: \bullet 128 \bullet 127
Measuring time	About 3 seconds
Measuring interval	About 2 seconds
Measuring aperture	\bullet 8mm
Automatic shutdown	Automatic shutdown after 5 minutes waiting
Memory	Keep a group of data automatically (Without connecting to PC)
Field of view	10 \bullet regulated by CIE
Light source	C light source
Sensor	Correct silicon photodiode (seed array)
Screen type	LCD with backlight
Power	1.5V AA batteries \bullet 2, DC/5V (1.5A)
Operating environment	0 \bullet \bullet +40 \bullet ; lower than 85% relative humidity
Dimension	170mm \bullet 50mm \bullet 48.8mm
Net weight	204g (without batteies)

Standard Delivery

· · Main unit	1
· · Software	1
· · USB connecting cable	1
· · Batteries AA 1.5V	2
· · Power supply	1
· · Instruction manual	1
· · TIME certificate	1
· · Warranty cardt	1

