

PORTABLE COLOR DIFFERENCE METER AMT500



Brief Introduction

AMT500 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 E^*ab , L^*a^*b
CIE L^*a^*b , CIE L^*c^*h

Silicon photodiode as light sensors for analyzing the absorption spectra

Standard deviation within $E^*ab0.2$ (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 E^*ab
Color space	E^*ab , CIE_Lab, L^* , a^* , b^* , CIE_Lch
Measuring range	L^* : 0 ~ 100 a^* : - 128 ~ 127 b^* : - 128 ~ 127
Measuring time	About 3 seconds
Measuring interval	About 2 seconds
Measuring aperture	8mm
Automatic shutdown	Automatic shutdown after 5 minutes waiting
Memory	Keep a group of data automaticly (Without connecting to PC)
Field of view	10 ° regulated by CIE
Light source	C light source
Sensor	Correct silicon photodiode (seed array)
Screen type	LCD with backlight
Power	1.5V AA batteries × 2, DC/5V (1.5A)
Operating environment	0 ~ +40 °C ; lower than 85% relative humidity
Dimension	170mm × 50mm × 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
Certificate	1
Warranty card	1

