

TES-135 Color Meter



FEATURES

- Check the color difference between two samples.
- Color difference displayed
- Color space displayed

$\Delta(L^*, a^*, b^*)$	(L^*, a^*, b^*)
$\Delta(E^*_{ab}, C^*_{ab}, H^*_{ab})$	(L^*, C^*_{ab}, h_{ab})
$\Delta(Y, x, y)$	(Y, x, y)
$\Delta(X, Y, Z)$ or	(X, Y, Z) or
$\Delta(Rs, Gs, Bs)$	(Rs, Gs, Bs)

- Maximum, Minimum and Average function.
- Tolerance function.
- Auto memory (99 sets) & Read function.
- RS232 interface.



SPECIFICATION

Display	Triple 4 digit LCD display
Illuminating / Viewing geometry	45° / 0° – 1 illumination at 45°, measurement at 0°
Measuring area	Approx. ϕ 2mm
Display modes	Color difference $\Delta(L^*, a^*, b^*)$, $\Delta(E^*_{ab}, C^*_{ab}, H^*_{ab})$, $\Delta(Y, x, y)$, $\Delta(X, Y, Z)$ or $\Delta(Rs, Gs, Bs)$ Color space (L^*, a^*, b^*) , (L^*, C^*_{ab}, h_{ab}) , (Y, x, y) , (X, Y, Z) or (Rs, Gs, Bs) .
Target color memory	8 channel ; set by measurement or keypad
Measuring range	L^* : 10 to 100
Measurement conditions	Observe : CIE 2° Standard Observer. Illuminant : White LED lamp.
Repeatability	Standard deviation within ΔE^*_{ab} 0.5 (Measurement conditions : Average of measurements of standard white plate).
Minimum interval between measurements	Approx. 2 seconds
Auto data Memory & Read	99 sets
Auto power off	Approx. 3 minutes

Power source	One 9V battery and DC 9V AC adapter input
Battery life	Approx. 500 measurements at 10 – sec intervals
Operating temperature/ humidity range	0°C to 40°C (32°F to 104°F) ; less than 85% relative humidity
Storage temperature/ humidity range	-10°C to 40°C (14°F to 104°F) ; less than 70% relative humidity
Dimensions	172mm × 118mm × 46mm
Weight	Approx. 220g
Accessories	Instruction manual, Battery, AC adapter, RS232 cable, software CD.