

COLORIMETER (SMALL SIZE D/8)

FEATURE

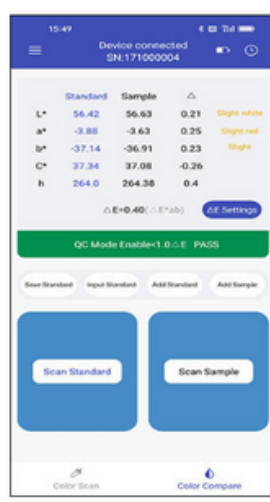
- We can enter the Lab or LCh values of the standard color in the color compare interface and complete color comparison. Standard color can also be added from the personal color chart and standard color chart.
- Turning on the QC test function, batch detection can be conducted and the color difference threshold can be set to quickly achieve quality control.
- There is no need to carry heavy color cards because the colorimeter has several color charts in it and It can match the color number corresponding to the standard color charts. The matching accuracy is greater than 90%.
- The device can save massive color data in the app without worrying about running out of memory.
- Support multi-channel color sharing.
- The colorimeter has 7 color spaces and 7 color difference formulas providing color measurement and color comparisons for different industries.
- Small and portable.



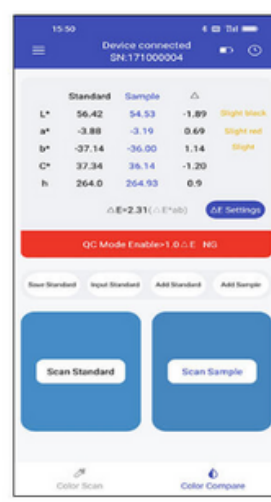
7 color spaces



6 color difference formulas



Qualified interface in QC testing



Unqualified interface in QC testing



SPECIFICATIONS

Model	ICL-171
Illumination geometry	D/8, Specular Component Include (SCI)
Illumination light source	Full spectrum LED light source
Measuring aperture	8mm
Measurement conditions	Light source D65, field of view 10°
Measuring time	about 1s
Color spaces	CIE Lab, Luv, LCh, Yxy, CMYK, RGB, Hex
Color difference formulas	ΔE^*ab , ΔE^*uv , ΔE^*94 , $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*00 , $\Delta E^*cmc(1.4:1)$
Repeatability	Standard deviation $\Delta E^*ab \leq 0.03$ (Measurement condition: the average value of 30 measurements on the white tile at an interval of 3s after calibration)
Power supply	Rechargeable lithium battery 3.7V@600mAh, can continuously measure 10,000 times under full charge
Dimension	57×57×89.4mm (L*W*H)
Weight	about 126g
Display	0.96 inch OLED
Data transmission	Bluetooth
Charging port	USB (Type-C)
Operating temperature	0~45°C, 0~85%RH (no condensation)
Storing temperature	-25~55°C, 0~85%RH (no condensation)

ICL-171 colorimeter meets the following standards:

- GBT 3978-2008 Standard illuminants and geometric conditions
- GBT 3979-2008 Methods for the measurement of object color
- GBT 11186.2-1989 Methods for measuring the color of paint films-Part 2: Color measurement
- GBT 11186.3-1989 Methods for measuring the color of paint films-Part 3: Calculation of color differences

Standard delivery	Qty
Main unit	1
USB cable	1
Cleaning cloth	1
User manual	1
Certificate	1
Calibration Report	1



Energy-saving and
environment-friendly



Precise and accurate
measurement



Good repeatability,
 ΔE^*ab is not higher
than 0.03



Support Chinese and
English