

LS172

45/0 Colorimeter with Touch Screen

PART NO.
25620172



LS172 is a handheld multifunctional colorimeter with 45/0 annular illumination geometry, a 3.5-inch IPS capacitive touch screen, built-in electronic colour charts, colour comparison and QC functions.

KEY FEATURES

- Touch screen operation
- Multiple built-in electronic color charts
- CIE Lab values indication for colour mixing
- Large storage space for your own colour database
- QC mode makes batch inspection easier
- Repeatability $\Delta E^*_{ab} \leq 0.03$
- Supports multi-channel colour sharing

SPECIFICATIONS

Illumination geometry	45/0 (45° annular illumination, 0° viewing)
Light source	Full spectrum LED light source
Spectral range	400-700nm
Spectral interval	10nm
Measuring aperture	8mm
Measurement conditions	Light source D65, 10° field of view
Measuring time	About 1s
Color spaces	CIE Lab, LCh, Luv, Yxy, CMYK, RGB, YI-98, WI-98, WI-Ganz, WI-Hunter, WI-R457, HSL, HSV, ITA, Spectra
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 $\Delta E^*_{ab} \leq 0.03$ (average of 30 measurements on the white tile at 3 s intervals after calibration)
Display	3.5-inch 480×320 IPS colour touch screen
Power supply	Rechargeable lithium battery 3.7V@4000mAh, up to 10,000 measurements per full charge
Charging port	USB (Type-C)
Dimensions	86mm × 62.5mm × 158mm
Weight	About 225g
Languages	Simplified Chinese, English, Turkish
Operating environment	0~45°C, 0~85%RH (no condensation)
Storage environment	-25~55°C, 0~85%RH (no condensation)

IN THE BOX

- Colorimeter
- Cleaning cloth
- Locating plate
- User manual
- Certificate / warranty card
- Calibration report

APPLICATIONS

Product colour measurement and management, and colour difference quality control in paper printing.

Source: [linshangtech.com product page](http://linshangtech.com/product/ls172-portable-colorimeter.html) · www.linshangtech.com/product/ls172-portable-colorimeter.html. Specifications are the manufacturer's and may change without notice. Images indicative. E&OE.