



COLORIMETER (MEASURING APERTURE 50MM)

FEATURE

- 50mm large aperture
- Good repeatability
- Provide PC software, support data import and export
- Adopt a 7-inch touch screen with human-machine interaction interface for convenient operation.



ICL-177



ICL-177C



50mm large aperture

Model	ICL-177	ICL-177C (Coffee Colorimeter)
Illumination geometry	D/8, specular component include (SCI)	D/8, specular component include (SCI)
Illumination light source	Full spectrum LED light source	Full spectrum LED light source
Spectral range	400-700nm	400-700nm
Spectral interval	10nm	10nm
Measuring aperture	50mm	50mm
Measurement conditions	Light source D65, field of view 10°	Light source D65, field of view 10°
Measuring time	About 1.5s	About 1.5s
Color space	CIE Lab, Luv, LCh, Yxy, CMYK, RGB, WI-98, WI-Gauz, WI-Hunter, YI-98, WI-R457, Reflectance	CIE Lab
Color difference formula	ΔE^*ab , ΔE^*uv , ΔE^*94 , $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*00 , $\Delta E^*cmc(1:1)$, $\Delta E^*cmc(1.4:1)$	ΔE^*ab
Repeatability	Standard deviation ΔE^*ab is within 0.03 (Measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration)	
Inter-instrument agreement	$\Delta E^*ab \leq 0.4$, based on avg. of 12 BCRA series II tiles	
Dimension	211mm×264mm×360mm(LWH)	211mm×264mm×360mm(LWH)
Weight	About 3290g	About 3290g
Power supply	100~277V 0.4A 50/60HZ	100~277V 0.4A 50/60HZ
Display	7-inch 1024*600 dot matrix IPS color screen	7-inch 1024*600 dot matrix IPS color screen
Language	Simplified Chinese, English	Simplified Chinese, English
Data transmission	USB, Bluetooth	USB, Bluetooth
Operating temperature range	0~45°C, 0~85%RH (no condensation)	0~45°C, 0~85%RH (no condensation)
Storage temperature range	-25~55°C, 0~85%RH (no condensation)	-25~55°C, 0~85%RH (no condensation)