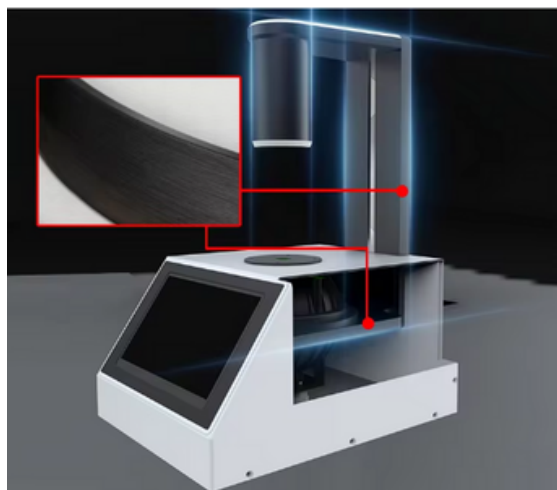# COLORIMETER (COLOR HAZE METER)

FEATURE

- The instrument supports both ASTM and ISO standards to meet the testing standard requirements of different users.
- Measurement of color difference, haze, light transmission, clarity, spectral transmittance curves
- Liquid turbidity, Pt-Co measurement
- 7-inch large capacity touch screen
- Spectral curve display of light transmittance
- Good repeatability
- Spectral sensors with fitting algorithms provide high accurancy
- Adoption of aerospace aluminum components
- Open measurement area
- Ensure that it can pass the National Institute of Metrology measuring

Standard delivery	Qty
Color Haze Meter	1
USB cable	1
Power cable	1
5mm aperture cover	1
Screwdrivers	1
User manual	1
Certificate	1

Normal lighting environment

Outside beam disruption inspection

SPECIFICATIONS

Model	ICL-155
Illumination geometry	D/0°
Illumination light source	Full spectrum LED light source
Spectral Range	400-700nm
Spectral Interval	10nm
Measuring aperture	5mm/14mm
Measurement conditions	Light source D65, field of view 10°; Light source A, field of view 2°; Light source C, field of view 2°
Measuring time	About 3s
Measuring parameter	Haze, Transmittance, CIE Lab, LCh, Yxy, Spectral transmittance, Clarity, Turbidity, Pt-Co(Hazen)
Transmittance resolution	0.01%
Transmittance accuracy	Better than ±1%
Transmittance repeatability	≤0.03 (Measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration)
Haze/Clarity resolution	0.01%
Haze/Clarity accuracy	Better than ±2%
Haze/Clarity repeatability	≤0.03 (Measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration)
Color 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)
Turbidity resolution	0.1NTU
Turbidity range	0-1000NTU
Turbidity accuracy	≤±(5%H+1NTU), H is standard
Pt-Co resolution	0.1
Pt-Co range	0-1000
Pt-Co accuracy	≤±(5%H+1), H is standard
Power supply	100~277V, 0.4A, 50/60HZ
Display	7 inch 1024*600 dot matrix IPS color screen
Language	Simplified Chinese, English
Data transmission	USB (Type-C)
Operating temperature range	0-45℃，0-85%RH （no condensation)
Storage temperature range	25-55℃, 0-85%RH (no condensation)
Dimension	211mm×264mm×360mm (LWH)
Weight	5300g
Standard delivery	Main unit, USB cable, power cable, 5mm aperture, screwdrivers