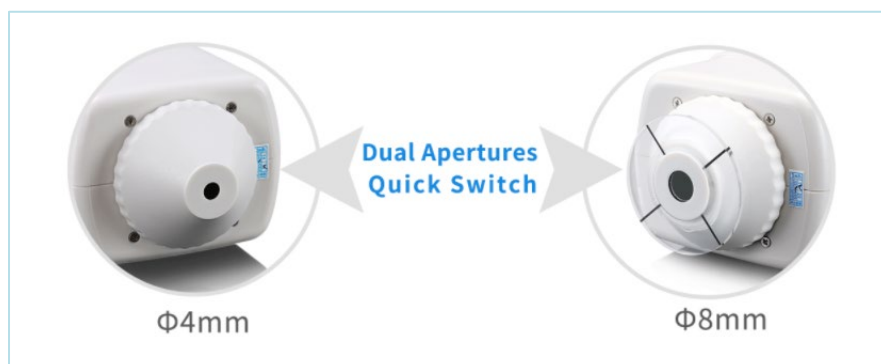




## Product Presentation

F50 is a high-cost performance handheld colorimeter, and easy to use. It is widely used in plastic, electronic, paint, ink, textile, garment, printing and dyeing, food, medical, cosmetic, industries, scientific research institutes, schools and laboratories.

With two apertures, F50 colorimeter is suitable for most samples to check color difference. 8mm flat aperture is good used to measure large plane samples while 4mm tip aperture is used to measure small objects with concave surfaces. It is easy to use, and can meet the customer's routine testing needs.



<b>Model</b>	<b>F50</b>
<b>Illuminating/Viewing Geometry</b>	8/d(8°illumination angle/diffuse viewing); Conforms to CIE No.15
<b>Illumination</b>	LED white light
<b>Detector</b>	Silicon photoelectric diode
<b>Measuring Aperture</b>	Φ8mm flat aperture; Φ4mm tip aperture
<b>Color Space</b>	CIE LAB
<b>Color Difference Formula</b>	$\Delta E^*ab$
<b>Observer Angle</b>	CIE 10°
<b>Light Source</b>	D65
<b>Displayed Data</b>	Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset
<b>Measuring Time</b>	1.0s
<b>Repeatability</b>	Standard deviation within $\Delta E^*ab$ 0.03 (Average of 30 measurements of standard white plate)
<b>Errors Between Each Equipment</b>	Within $\Delta E^*ab$ 4 (Average for 12 BCRA Series II color tiles)
<b>Dimension</b>	205×67×80 mm
<b>Weight</b>	500g
<b>Power source</b>	Rechargeable lithium-ion battery 3.7V@3200mAh
<b>Lamp Life</b>	TFT 2.8 inch
<b>Interface</b>	USB
<b>Data Memory</b>	100pcs standards 10000pcs samples
<b>Operating Environment</b>	0~40°C(32~104°F)
<b>Storage Environment</b>	-20~50°C(-4~122°F)
<b>PC Software</b>	No
<b>Standard Accessory</b>	Power Adapter, User Guide, Wristbands, Φ8mm flat aperture; Φ4mm tip aperture.
<b>Optional Accessory</b>	Micro Printer, powder test box
<b>Notes: The specifications are subject to change without notice.</b>	