



Precision Color Matching - TP 310

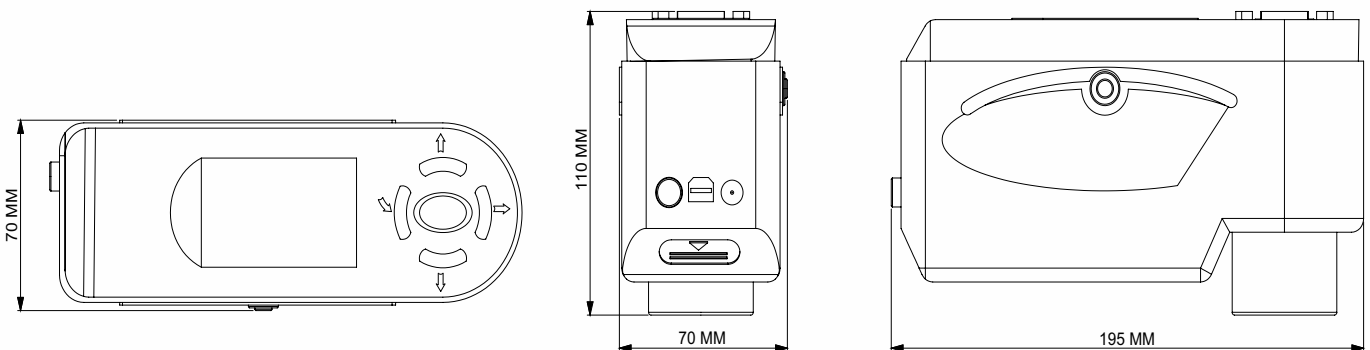


Model No. TP310

Precision Color Matching TP310 is a consistent tool useful for portable and high quality color measurement. It works with color sensor with multiple channels according to international standards. Color Matching TP310 complies with various CIE Standards.

- Adopts accurate camera locating feature
- Illumination locating for user ease of operation
- Software based output of test results
- Auto white and black calibration
- Various Color Sources
- Display of Whiteness, Yellowness and Color Fastness
- Convenient Operation and ergonomic design

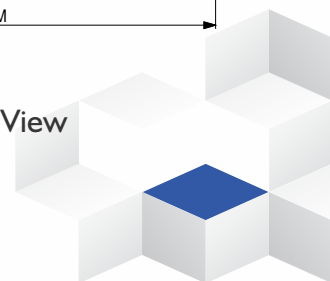
The portable color measurement instrument is used to measure the color consistency of various types of products and is designed for many production verticals like plastics, rubbers, paper & Packaging, paint & plating, automotive, textile and many more.



Top View

Front View

Side View





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Key Specifications:

Illumination/Observation system	8/d (8° illumination angle/diffuse viewing)
Measuring Aperture	8 mm, 4 mm(Diameter) *Optional: 8 mm (Diameter) extended aperture
Light Sources	D-65, D-50, A (LED Blue light excitation)
Detector	Silicon photoelectric diode
Color Spaces Indices	Yellowness & Whiteness color fastness CIEL*a*b*C*h* CIEL*a*b* CIEXYZ CIERGB CIEL*u*v* CIEL*C*h
Minimum Interval Between measurement	Approx 1.0s
Measuring range	L:0 to 100
Repeatability	Standard deviation within $\Delta E^*ab0.06$ (avg. on 30 measurement with standard white plate.)

Highlights:

Battery	Li-ion battery(Lithium Ion,3200mAh)
Lamp Life	5 yearsapprox..
Display	2.8 Inch@16:9 TFT true color
Storage	Upto 20000 samples and 100 standards
Communication Port	USB
Dimensions	195x70x110mm

* Can test powder and liquid using
(Universal Test Component optional)

Standard Accessory:

- AC Adapter, Li-ion Battery
- Operation Manual
- Software CD
- USB Cable
- White Calibration Cover
- 4mm Measuring Aperture

Optional Accessory:

- Extended Aperture (8mm Diameter), Mini printer, Printer cable, Universal test components, Powder test box
- Other model TP 800 also available on request.

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