



COLO-R17 Plastic Masterbatch Colorimeter Powder Granules

Download
Catalogue



TFT colour LCD, Capacitive Touch Screen



Sensor: Silicone Photodiode Cells



Large capacity storage space



PC Software has powerful function expansion

COLO-R17 D/8 Plastic Granules Color Matching Spectrophotometer Master batch Benchtop Colorimeter Spectrophotometer

Descriptions :

COLO-R17 colorimeter spectrophotometer adopts D/8 illumination geometry, with 50mm large test aperture, specialized in color measurement and color comparison of non-transparent materials such as powder, master batches, granules, paint and so on. The colorimeter spectrophotometer not only has various color spaces and color difference formulas, but also can display spectral reflectance curves, which is widely used in color management and quality control in the fields of paint, plastic, food, medicine and so on. The colorimeter spectrophotometer also provides professional mobile APP and PC software to support data export and report printing.

Features :

- Specialized in color management and quality control in powder, master batches, granules, food, paint, medicine,
- 100mm diameter integrating sphere and 50mm large aperture design, with unique patented algorithms.
- Simple operation, the samples can be measured after placed on the top area.
- Only two clicks compare color with the 7-inch large touch Screen.
- Lab/LCh/Luv/whiteness/yellowness and other color parameters can be tested.
- COLO-R17 benchtop colorimeter adopts advanced spectral sensor design, displaying the spectral reflectance curve. The benchtop colorimeter can match the closest color chart numbers from electronic color cards.
- Equipped with software to support data import and export as well as printing of test reports.
- The benchtop colorimeter can be connected to mobile APP via Bluetooth for online measurement and color sharing and saving.

Type	COLO-R17
Illumination geometry	D/8, specular component includes (SCI)
Wavelength range	400~700nm
Illumination Light Source	Full spectrum LED light source
Sensor	Silicone photodiode cells
Spectral interval	10nm
Measuring aperture	Φ50mm
Measurement conditions	Light source D65, field of view 10°
Measuring time	1.5s
Colour space	CIE Lab, Luv, LCh, Yxy, CMYK, RGB, WI-98, WI-Gauz, WI-Hunter, YI-98, WI-R457, Reflectance
Colour difference formula	ΔE^*_{ab} , ΔE^*_{uv} , ΔE^*_{94} , ΔE^*_{cmc} (2:1), ΔE^*_{cmc} (1:1), ΔE^*_{00} , ΔE^*_{cmc} (1.4:1)
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)
Dimension	21.1 × 26.4 × 15.5cm (L×W×H)
Weight	Approx. 3.3kg
Power supply	100~277V 0.4A 50/60HZ
Display	7-inch 1024*600 dot matrix IPS color screen
Data Port	USB, Bluetooth
Data Storage	Standard 1000 Pcs, Sample 30000 Pcs
Language	English
Operating Environment	0~45°C, 0~85%RH (no condensation)
Storage Environment	-25~55°C, 0~85%RH (no condensation)
Optional Accessory	Notebook, Smart phone, Micro Printer, Powder Test Box

Wide range of applications

Specialized in color management and quality control in plastics, food, paint, medicine, etc.



Masterbatch measurement



PVC granules measurement



Titanium dioxide measurement



Liquid paint measurement

Top opening area

Convenient for all kinds of sample



Multi Functions/Parameters
 Color measurement(within color charts)
 Reflectance Curve

Color Difference
 Whiteness
 Yellowness

Titanium dioxide whiteness

Free PC software+ APP
 Support data import and export, print test reports

Please note
 If this Spectro-colorimeter does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts

Laboratory Equipment production and Distribution

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