





# Digital Color Measurement Solutions

Differences between models :

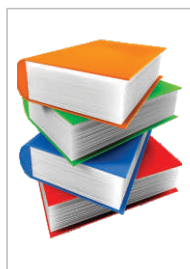
Images				
Model	<b>TP810</b>	<b>TP800</b>	<b>TP310</b>	<b>TP110</b>
Illuminating/ Viewing Geometry	d/8 (diffused illumination, 8-degree viewing angle) Conforms to CIE No.15, GB/T 3978.	45/0 method (45 ring-shaped illumination, vertical viewing), Comply with CIE No.15 , GB/T	8/d	8/d(Large stable end-face and small concave-convex end-face)
Display	TFT 3.5inch, Capacitive Touch Screen	TFT 3.5inch, Capacitive Touch Screen	3.5inch	3.5inch
Measuring Aperture	Φ8mm	Φ8mm	Φ8mm/Φ4mm	Φ4mm
Repeatability	Standard deviation within Delta E*ab 0.04 (Measurement conditions: white calibration plate measured 30 times at 5 seconds intervals after white calibration was performed.)	Standard deviation within Delta E*ab 0.04 (Measurement conditions: white calibration plate measured 30 times at 5 seconds intervals after white calibration was performed.)	Standard deviation within ΔE*ab 0.06 Average of 30 measurements of standard white plate	Standard deviation within ΔE*ab 0.08 Average of 30 measurements of standard white plate
Errors Between Each Equipment	Within DeltaE*ab 0.2 (Average for 12 BCRA Series II color tiles)	Within DeltaE*ab 0.2 (Average for 12 BCRA Series II color tiles)	≤0.40ΔE*ab	≤0.80ΔE*ab
	2°/10°	2°/10°	10°	10°



Plastics



Paints



Printing



Automobile



Textile



Pharmaceuticals



Pet & Preforms

Light Source	D65 , A, C, D50 , D55 , D75 , F1 ,	D65,A, C, 50, D55, D75,F1,F2(CWF),F3, F4,F5,F6, F7(DLF),F8,F9,F10(TPL5)F11	D65 D50 A	D65
Color Space	$\Delta E^*ab, \Delta E^*uv, \Delta E^*94, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*cmc(l:c), CIE2000 \Delta E^*00$ , $\Delta E(h)WI$ (ASTM E313 , CIE/ISO,AATCC, Hunter) , $YI$ (ASTM D1925 , ASTM 313), $Tl$ (ASTM E313 , CIE/ISO), Metamerism Index (Mt), Strength Color Stain, Color Fastnes	$\Delta E^*ab, \Delta E^*uv, \Delta E^*94, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*cmc(l:c), CIE2000 \Delta E^*00$ , $\Delta E(h)WI$ (ASTM E313 , CIE/ISO,AATCC, Hunter) , $YI$ (ASTM D1925 , ASTM 313), $Tl$ (ASTM E313 , CIE/ISO), Metamerism Index (Mt), Strength Color Stain, Color Fastnes	CIE $L^*a^*b^*C^*h^*$ CIE $L^*a^*b^*C^*h^*$ CIEXYZ CIERGB CIE $L^*u^*v^*$ CIE $L^*C^*h^*$ Yellowness & Whiteness Color Fastness	$\Delta E^*ab \Delta L^*a^*b^* \Delta E^*C^*h^*$
Storage	1000 Standards, 15000 Samples	1000 Standards, 15000 Samples	100pcs standards 20000pcs samples	100pcs standards 20000pcs samples
Power source	Rechargeable lithium-ion battery 3.7V@3200mAh	Rechargeable lithium-ion battery 3.7V@3200mAh	Rechargeable lithium-ion battery 3.7V@3200mAh	Rechargeable lithium-ion battery 3.7V@3200mAh
Standard Accessory	Power Adapter, Li-ion Battery, Operating Instruction, CD-ROM (containing management software),calibration board	Power Adapter, Li-ion Battery, Operating Instruction, CD-ROM (containing management software),calibration board	Power Adapter, Li-ion Battery, Operating Instruction, CD-ROM (containing management software),calibration board	Power Adapter, Li-ion Battery, Operating Instruction, CD-ROM (containing management software),calibration board
Optional Accessory	Micro Printer, Powder Test Box,Universal Test Componet	Micro Printer, Powder Test Box,Universal Test Componet	Micro Printer, Powder Test Box , Universal Test Componet,Ø8mm extended aperture, available for measuring concave surface	Miniature thermal printer
	can test powder and liquid	can test powder and liquid	can test small sample (3mm)	
			can test powder and liquid	

Applications :



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