

ColorTouch X Specifications

Light Source	Pulsed Xenon
Lamp Life (# flashes)	500,000+
Geometry	Dual Beam, d/0*
Specimen Area Measured	30mm*
Photometric Linearity	*0.1%
Repeatability (White tile avg 20 readings)	<0.01 CIELAB DE**
Reproducibility	<0.20 CIELAB DE***
Measurement Time	2 seconds
Measurement Range (Reflectance)	0-200%
Measured Wavelength	200-1080nm
Reported Wavelength	360-780nm
Detector	CCD 131,000 Pixels
Spectrometer	Dual Blaze Grating
Bandpass (HPH)	10 nm, 5 nm, 2 nm
Reflectance Data Intervals	1nm, 5nm, 10nm, 20nm
Sources	D65, C and UV-EX
Illuminants	A, B, C, D50, D55, D65, D75, F2, F7, F11
Observers	CIE 2 ⁰ , 10 ⁰
Color Scales	X, Y, Z / R(x), R(y), R(z) / L, a, b / L*,a*, b* L*, C*, h
Whiteness	CIE, ASTM, Hunter
Tint	CIE, Hunter
Yellowness	Hunter
Warm Up Time	15 minutes
Display	10.1 Color TFT 1024 x 600 WSVGA, PCT Multi Touch Screen
Communications	USB, RS232, Ethernet
Hard Disk Drive	32 GB Sata SSD
Operating Temperature	(13-32° C)
Relative Humidity	25-90 RH non-condensing
Power Consumption	170 watts MAX / 80 watts Passive
Voltage/Frequency	100-130 VAC/49-61 Hz / 210-250 VAC/49-61 Hz
Net Weight	45 lbs / 20.4 kg
Warranty	1 year
	* Conforms to ISO 2469
	**Avg 1 S.D. for 25 readings on white tile
	***Avg 1 S.D. for BCRA tiles



SIMPLE - ACCURATE - FLEXIBLE - POWERFUL

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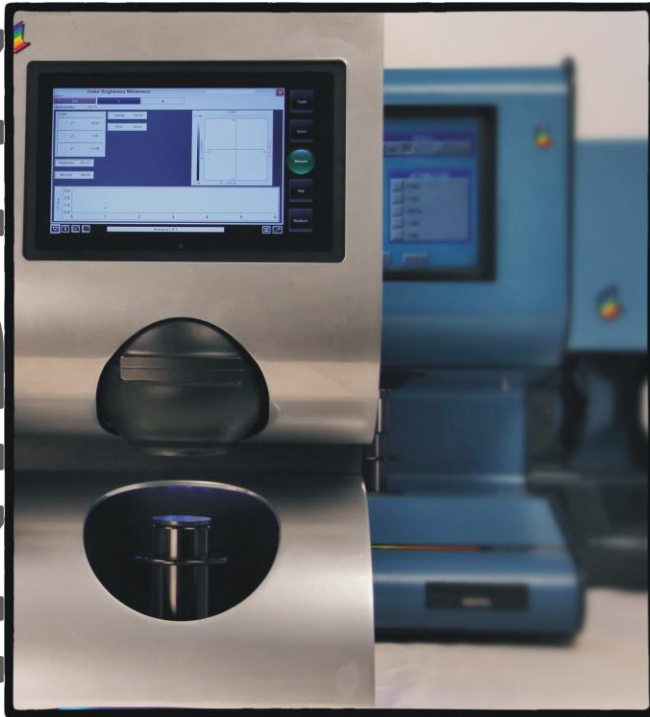
Since 1980 Technidyne has been producing instruments that meet the ISO Optical Standards for the global pulp and paper industry. In 1994 Technidyne brought to market the ColorTouch™ which set a standard for functionality, precision and dependability. That next generation of the ColorTouch family is now ready to continue with the family tradition.

The ColorTouchX™ brings together a powerful set of tools to meet the demands of the brightness, color, fluorescence and ERIC950 markets. In addition to these traditional applications, the expanded wavelength range of the ColorTouchX™ provides a higher level of accuracy and capabilities. No other instrument in the market today can match the ColorTouchX™ for capabilities, functionality and quality.



INTRODUCING THE NEWEST MEMBER TO THE TECHNIDYNE ISO FAMILY

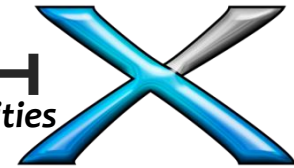
TECHNIDYNE



NEW FEATURES INCLUDE:

- EXPANDED WAVELENGTH RANGE
- NEW INTUITIVE OPERATOR INTERFACE
- DATA TRENDING
- SIMULTANEOUS GRADE TRACKING
- PASS / FAIL TOLERANCES

COLORTOUCH[™] *Expanding Your Capabilities*



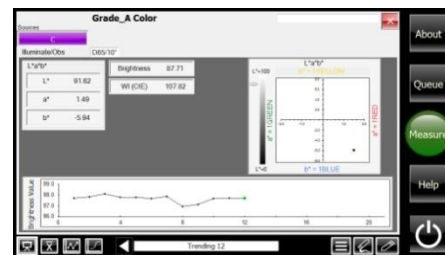
Touchscreen Operation

Point & Touch and the ColorTouch[™] does the rest
Preprogrammed test routines
Does not require an external PC
Automatic Calibration
Swing-in Calibration Standard



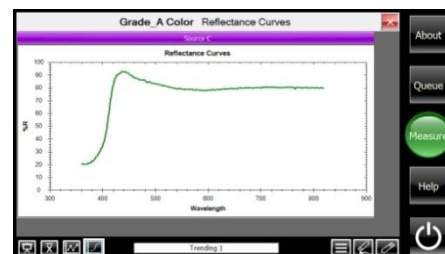
Advanced Data Analysis

Trending Data allows for tracking grades over several samples
Compare multiple samples on color space plots
Establish optical tolerances on grades for PASS/FAIL analysis



Spectral Data Capabilities

Spectrophotometric data for comprehensive understanding of dyes, fillers, and other colorants
Greater accuracy of colorimetric data



QUALITY - INNOVATION - TRADITION - PARTNERSHIP