

INTRODUCING THE NEW COLORTOUCH X

No other instrument in the market today can match the ColorTouch X™ for capabilities, functionality and quality.

Since 1980 Technidyne has been producing instruments that meet the ISO Optical Standards for the global pulp in 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.

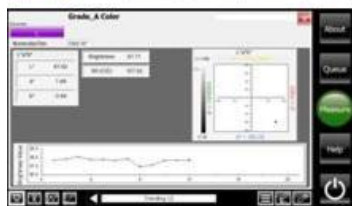
The ColorTouchX™ brings together a powerful set of tools to meet the demands of the brightness, color, fluorescence and ERIC950 markets. In addition to these traditional applications, the expanded wavelength range of the ColorTouchX™ provides a higher level of accuracy and capabilities.



Touch Screen Operation

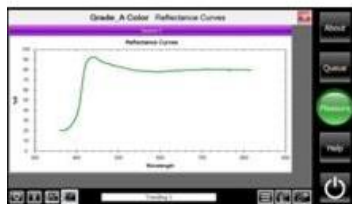
Point & Touch and the ColorTouchX™ does the rest

- 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 various color plots



Spectral Data Capabilities

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

Technical Expertise – Technidyne is committed to providing technically qualified support.

Meets the following industry standards:

ISO Standards 2469, 2470, 2471, 3688, 5631, 9416, 11475, 11476, 12625, 22754, 22891

TAPPI Optical Methods T519, T525, T527, T534, T560

PAPTAC E.1, E.2, E.5, E.8

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ColorTouch X™ Specifications

Light Source	Pulsed Xenon
Lamp Life (number of measurements)	500,000+
Geometry	Dual, Beam, d/0
Specimen Area Measured	30mm
Photometric Nonlinearity	0.1%
Repeatability (white tile avg. 20 readings)	< 0.01 CIELAB DE
Reproducibility (Interinstrument)	<0.20 CIELAB DE
Measurement Time	2 Seconds
Measurement Range Reflectance	0-200%
Wavelength	360 - 780nm
Detector	CCD 131,000 Pixels
Spectrometer	Dual Blaze Grating
Bandpass	5nm
Reflectance Data Intervals	1, 5, 10, 20nm
Sources	D65, C, UV-EX , UV1, UV2
Illuminants	A,B,C,D50,D55,D65,D75,F2,F7,F11
Observers	CIE 2°, 10°
Color Scales	X, Y, Z/R(x), R(y), R(z)/L,a,b/L*,a*,b*/L*,C*,h/DWI,PUR,x,y,Y
Whiteness	CIE, ASTM, HUNTER
Tint	CIE, HUNTER
Yellowness	HUNTER
Opacity	Yes
Transparency	Yes
Fluorescence	Yes
Stored Standards	Yes
Color Difference	Yes
ERIC	Optional

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ColorTouch X™ Specifications (*Continued*)

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 degrees Celcius
Relative Humidity	25 - 90 RH Non Condensing
Power Consumption	170 watts maximum / 80 watts passive
Voltage Frequency	100-130 VAC/49-61 Hz / 210-250 VAC/49-61 Hz
Automatic Calibration	Yes (Built-In Swing In Standard)
Industry Standards	ISO 2469,ISO 2470,ISO 2471,ISO 3688,ISO 11475,ISO 11476,ISO 5631



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