

Introducing the newest member to the Technidyne 45°/0° family

The COLORTOUCH™45 - the only directional 45°/0° spectrophotometer designed specifically for the pulp and paper industry



Since the beginning of Technidyne we have been the primary provider of **TAPPI directional Brightness** and color instrumentation for the paper industry. With the introduction of the ColorTouch™45 Spectrophotometer we mark a new day for this measurement. Here are some of the benefits that will improve your QC program:

- Improved stability, especially on OBA containing grades
- Longer lamp life, meaning fewer lamp changes and lower operational cost
- Touchscreen operator interface providing simple testing sequences
- Quicker testing time, getting data to production sooner
- Full spectral data (360-780nm) for detailed analysis
- Enhanced result screens provide statistical data, trending and other functions
- Capable of measuring the sample under multiple UV levels including **UVex, QTH, C & D65**
- Data export can be directly to the mill network, uploaded to a USB drive or printed

Simple - Accurate - Flexible - Powerful

Features:

- Expanded Wavelength Range - Provides improved analysis of UV region
- New Intuitive Operator Interface - Simple and responsive
- Data Trending - Trend data over time, grade run, shifts, etc.
- Simultaneous Grade Tracking - Track multiple grades from different sources at the same time
- Pass/Fail Alerts - Immediate notification of out of tolerance measurements
- APP Technology - Provides the foundation for adding new features as they become available or the development of custom APPS for your specific measurement or calculation



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When quality
matters,
Technidyne is
there

Touchscreen Operation

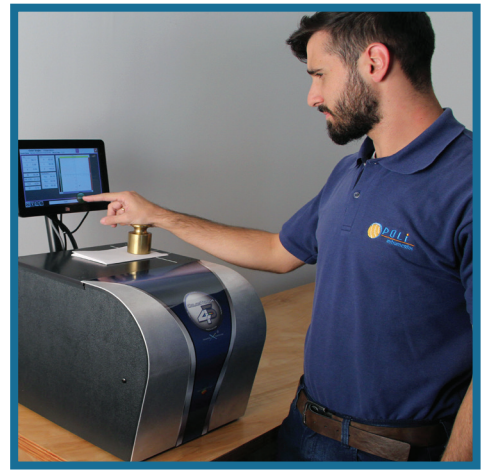
- Load sample, initiate the test and the ColorTouch™45 does the rest
- Preprogrammed test routine to allow for easy set-up and testing
- Does not require an external PC
- Automatic Calibration

Advanced Data Analysis

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

Spectral Data Capabilities

- Spectrophotometric data for comprehensive understanding of dyes, fillers, OBA's and other colorants
- Greater accuracy of colorimetric data
- Thorough analysis of metameric color matches



Parameter	Specification
Light Source	Pulsed Xenon (500,000+ measurements)
Instrument Type	dual-beam spectrophotometer
Geometry	45°/0° directional
Repeatability (White tile avg. 20 readings)	0.1%
Reproducibility	<0.20 CIE Lab
Measurement Range (Reflectance)	0-200%
Sources	D65, C, QTH, UVex
Illuminants	A,B,C,D50,D55,D65,D75,F2,F7,F11
Observers	CIE 2°, 10°
Wavelength Range	360 -780 nm
Aperture	13 mm illuminated / 9 mm measured
Whiteness	CIE, ASTM, Hunter
Fluorescence	D65, C, QTH, UVex
Automatic UV Control	Automatic UV control and calibration for measurement of fluorescent samples with UV trim filter (395nm) and UV cut-off filter (420) nm
Stored Standards	YES
Communications	USB, Ethernet
Color Space	(XYZ) (R _x R _y R _z) (Lab) (L*a*b*) (LCh)
Measurement Time	2 seconds
Industry Standards	TAPPI T452, T527, T524, T646, T560
Operating Range	13-40° Celsius
Weight	45 lbs / 20.4 kg
Height	24" / 61 cm
Depth	18" / 46 cm