



PROFILE/Plus® TAPPI Brightness Automated Test System

Technidyne PROFILE/Plus® TAPPI Brightness

The Technidyne PROFILE/Plus® TAPPI Brightness measures the following optical properties according to industry standards:

- Fluorescence
- TAPPI Brightness

Features:

Automated Measurement

Technidyne has earned a reputation for excellence as the pulp and paper industry's leading supplier of optical quality measurement instruments. The PROFILE/Plus® Brightness is the most advanced version ever of the tester that started it all more than 25 years ago and includes fully automated measurement of two-sided brightness and fluorescence.

Meets TAPPI Standards

With a measurement so critical to the quality of the finished product, it makes sense to choose the instrument that measures up to the industry's most stringent standards. PROFILE/Plus® Brightness is the only profiling brightness tester that performs in full compliance with TAPPI Official Test Method T452.

Fast Evaluation of OBA's

PROFILE/Plus® Brightness gives you a fast, accurate measurement of the impact of optical brighteners. The ultra-violet light absorbing filter is positioned over the light source, providing accurate readings quickly.

Easy Operation

Easily recognizable icons help navigate the PROFILE/Plus® Brightness instrument, when operating in stand-alone mode. The system software controls the automatic measurement of all properties.

Top-side/Bottom-side Measurements

For labs requiring brightness measurements on both sides of the paper, this capability can be specified as an option. The PROFILE/Plus® Brightness Tester can be equipped with measuring optics for both sides.

Standardized Calibration

Mills who have depended on TAPPI brightness for years to meet their customers' demands will appreciate the standardized calibration process incorporated into the PROFILE/Plus® Brightness. The instrument produces data that you can rely on to determine whether or not your products can be shipped.

Comprehensive Reports

Whether reviewing multiple readings across a profile strip or just a single fluorescence evaluation the PROFILE/Plus® Brightness offers a test report format to provide this essential data. It is presented in a concise and accurate manner that is ready to be printed or sent to a remote data collection host.

Economic Benefits – Lowering Costs and Saving Money

PROFILE/Plus® Brightness can perform fully automated measurements of brightness, thereby increasing efficiency and lowering overall testing costs.

PROFILE/Plus® Brightness meets TAPPI Standards thus ensuring accurate and repeatable results that allow tighter operating targets and reduced production costs.

The fast evaluation of OBA's means that PROFILE/Plus® Brightness can provide the information needed to make positive process changes to improve quality and enhance profitability.

Top-side/Bottom-side Measurements reduce overall testing time to improve feedback of results and help to optimize manpower resources.

The PROFILE/Plus® Brightness measures multiple properties simultaneously thus speeding up data collection and optimizing testing resources to save time and money.

PROFILE/Plus® customers have reported that savings can be realized in the areas of furnish, chemical addition, customer complaints, and reduced paper machine breaks. Manpower efficiency can also be improved by increasing the testing frequency and accuracy, which lowers the overall cost of testing.



PROFILE/Plus® Automated Test System

PROFILE/Plus® is a unique building block approach to automated testing. Each PROFILE/Plus® instrument is a standalone instrument that can be easily placed in line with other PROFILE/Plus® instruments to operate as an automated test system. This one of a kind versatility allows you the flexibility to build an automated test system that can be established over time or all at once.

In addition as your testing needs change, the versatility of the PROFILE/Plus® provides the flexibility to modify the testing sequence or move other test in to or out of the system. PROFILE/Plus® puts you in charge of your automated testing program. In today's ever changing markets, having a testing program that can adapt, is key to long term viability.

Technical Specification:

Industry Standardization Paper/Tissue/Board

TAPPI Standards	T452, T646
Sample Types	<ul style="list-style-type: none">• CD or MD Strip (Automated)• Letter & A4 Sheets (Automated)• Handsheets, Sheeted Materials
Built-in Paper Feed	Yes
Sample Grammage Range	15 to 600g/m ²
Sample Thickness Range	25 to 1000µm
Geometry	45° illumination/0° Viewing
Light Source	Quartz Tungsten Halogen
Calibration	Traceable to NRC
Measurement Range	0–100% TAPPI Brightness Scale
Fluorescence	Yes – QTH/UV Excluded
Measurement Accuracy	± 0.3%
Repeatability (white tile avg. 20 readings)	0.03 Brightness Units
Reproducibility (interinstrument)	± 0.03 Brightness Units
Measurement Results	<ul style="list-style-type: none">• Brightness (TAPPI)• Fluorescent Component
Statistics	<ul style="list-style-type: none">• Average• Maximum Test Value• Minimum Test Value• Standard Deviation

Data Views	<ul style="list-style-type: none">• Tabular• Graphs• Profile data
User Interface	Touch Panel and LCD Display with Multi Function Keys
Measurement Time	< 3 seconds
Data Communications /Ports	<ul style="list-style-type: none">• RS232C (Tags Optional)• Printer (DB9 and DB25)
Recommended Operating Temp.	10–32° Celsius (50–90° F)
Power Consumption	75 watt max
Voltage/Frequency Requirement	100–250VAC/48–61Hz
Air Requirement	275Kpa (40psi)
Dimensions	
Depth	46cm (18in)
Width	26.7cm (10.5in)
Height	66cm (26in)
Weight	34kg (76lbs)
Country of Origin	U.S.A.

Contact Details

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