

Automated TAPPI Opacity

The Technidyne PROFILE/Plus TAPPI Opacity measures opacity according to TAPPI Method T425.

- + Opacity evaluation
- + Stored reference standards
- + Internal calibration routine
- + Exact conformance with Industry Standards
- + Certificate of Calibration
- + PROFILE/Plus Automated Testing System Ready



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Features

Appearance Evaluation

Consistent appearance attributes of paper products are in many cases the main market driving force for the successful acceptance of a product. The PROFILE/Plus Opacity provides unparalleled capabilities for appearance evaluation.

Fast and Accurate

The PROFILE/Plus TAPPI Opacity instrument has been designed to provide the accuracy and repeatability you need from this critical test parameter.

Conforms to Standards

The Technidyne PROFILE/Plus TAPPI Opacity meets or exceeds the standards called for in TAPPI T425, ASTM D589, and Flexible Packaging Specification B-8.

Automatic Opacity Profile

The PROFILE/Plus TAPPI Opacity provides a detailed profile automatically with the built-in Paper Advance System (PAS). This allows you to look at the profile across the entire web to meet your customer's strict opacity specifications.

Simple Operation

The PROFILE/Plus TAPPI Opacity has design features to simplify the operation whilst ensuring accurate readings. These include a unique self-locking device for maintaining white body adjustments and automatic positioning of the white and black backings.

Stable Measurement Conditions

The PROFILE/Plus TAPPI Opacity has an infrared heat filter to maintain proper measurement conditions. This built in facility helps to ensure stable and reliable results.

Economic Benefits – Lowering Costs and Saving Money

Automatic Opacity Profile means that PROFILE/Plus TAPPI Opacity can perform fully automated measurements of opacity, thereby increasing efficiency and lowering overall testing costs.

Conformance to paper industry standards, such as TAPPI, ensures that PROFILE/Plus TAPPI Opacity will provide accurate and repeatable results that allow tighter operating targets and reduced production costs.

The **fast and accurate** evaluation of opacity means that PROFILE/Plus TAPPI Opacity can provide the information needed to make positive process changes to improve quality and enhance profitability.

The **simple operation** of PROFILE/Plus TAPPI Opacity eliminates operator errors, which promotes higher confidence in the test results and allows for tighter process control, thus saving money.

PROFILE/Plus TAPPI Opacity uses **standardized calibration data** that you can rely on to determine whether or not your products can be shipped, thus reducing customer complaints.

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.



Specifications and Technical Data

- + CD or MD profile strips
- + Single sheet samples (automatically)
 - o A3, A4, and 8½" x 11"
- + Handsheets
- + Thickness Range – 25 to 1000 µm
- + Grammage Range - 15 to 600 g/m²
- + Weight –
 - o 75 lb
 - o 34 kg
- + Dimensions –
 - o Height = 26" (66 cm)
 - o Depth = 18" (46 cm)
 - o Width = 10 ½" (26.7 cm)
- + Voltage/Frequency -
 - o 100-130 VAC/49-61 Hz
 - o 210-250 VAC/49-61 Hz
- + Air -
 - o 30 - 40 psi
 - o 205 - 275 Kpa



Results:

TAPPI Opacity

15/d geometry

Illuminant A/2°

89% reflectance backing and paper backing

Measurement completed in seconds!

Conforms to industry standards

Multiple measurement, averaging, statistics and trending capabilities

Average, Maximum Test Value, Minimum Test Value and Standard Deviation

Tabular and Graphical display of results