



PROFILE/Plus® Caliper Automated Test System

Technidyne PROFILE/Plus® Caliper

The PROFILE/Plus® Caliper automatically measures the caliper of paper or board samples.

- Precise Platen Parallelism
- Fast and accurate results
- Easy Calibration
- Self Cleaning Function
- Detailed Profiling Capability
- PROFILE/Plus® Automated Testing System Ready

Economic Benefits – Lowering Costs and Saving Money:

Precise platen parallelism means the instrument is always measuring correctly, thereby reducing maintenance/support costs.

Easy calibration ensures accurate results and reduces the amount of rechecks required – thereby saving money.

Self cleaning function can improve test repeatability – saving operator time and thus saving money.

Detailed profiling capability provides timely information to papermachine operators allowing them to make positive process changes to improve quality, lower rejects, reduce customer complaints and save money.

PROFILE/Plus® customers have reported that money 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 & Board	• TAPPI T411 • ISO 534 • DIN 53105 • ISO 3034
Tissue	• TAPPI T580 • ISO 12625-3
Sample Types	• CD or MD Strips (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
Calibration	Traceable to NIST Stds
Measurement Units	Microns/Millimeters/Mils
Measurement Range	25-1,000µm (984-39,370µin)
Resolution	±0.5µm (±20µin)
Measurement Accuracy	±1µm (±40µin)
Anvil Dimensions	Industry Standard Dependent
kPA	Industry Standard Dependent
Parallelism	±1µm (±40µin)
Measurement Results	Thickness
Statistics	• Average • Maximum Test Value • Minimum Test Value • Standard Deviation
Data Views	• Tabular • Graphs • Profile Data

User Interface	Touch Panel and LCD Display with Multi Function Keys
Measurement Time	< 8 seconds
Data Communications/Ports	• RS232C (Tags Optional) • Printer (DB9 and DB25)
Recommended Operating Temp.	10–32° Celsius (50–90° F)
Power Consumption	50 watt max
Voltage/Frequency Requirement	100–250VAC/48–61 Hz
Air Requirement	275Kpa (40psi)
Dimensions	
Depth	46cm (18in)
Width	26.7cm (10.5in)
Height	66cm (26in)
Weight	34kg (75lbs)
Country of Origin	U.S.A.



Contact Details

web. www.industrialphysics.com
email. info@industrialphysics.com
email. info.china@industrialphysics.com