



Monitor/Smoothness II™

Model 58-24



The Monitor/Smoothness II™ tester is designed to work with existing smoothness and porosity heads. It provides an inexpensive means to improve measurement accuracy, and to remove old style mercury-based measuring systems.

The main test subject of the instrument is typically paper and paperboard. Air is provided to the area between the annular rings. The amount of air which flows from between the rings and the sample surface (flow rate) is an indirect measurement of surface smoothness.

The Monitor/Smoothness II™ incorporates high-tech capabilities with user-friendly, menu driven software to ease use and speed up testing.

FEATURES

- Digital display, storage, and editing of up to 200 readings
- Selectable units (“Sheffield” and SCCM)
- RS-232 Centronics output
- Settable limits
- Statistics—average, standard deviation, high/low results, and report printout with optional printer
- Fully compatible with existing smoothness and porosity gauges
- Measurements are taken through a high precision flow sensor rather than a flow tube
- NIST traceable

OPTIONAL ACCESSORIES

- 58-24-02 Smoothness Gauge
- Printer

APPLICATIONS

Linerboard, Carton board, Coated board, Fine paper, Coated paper, Newsprint, Films & foils, Printing/Graphics, Packaging

STANDARDS

- Meets TAPPI T-538, CPPA D.29P, ISO 8791/3 and AS 1301.441 for smoothness
- Meets TAPPI T-547, ISO 5636/4 and AS 1301.441 for permeability
- Direct readings in “Sheffield” (Range 15-400) and SCCM unites (Range 103-3344)

INSTRUMENT SIZE

- Depth: 305 mm (12 in.)
- Height: 165 mm (6.5 in.)
- Width: 311 mm (12.3 in.)

WEIGHT

7.7 kg (17 lb)

CONNECTIONS

- Electrical: Specify voltage requirements when ordering
- Air: 207 kPa (instrument quality)

ORDERING INFORMATION

Catalog number: 58-24-01

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