

FX 3320
Mobile Air Permeability Tester
MOBILAIR



SCOPE

The TEXTEST FX 3320 Air Permeability Tester MOBILAIR is a portable instrument for determination of the air permeability both, in the laboratory and in a mobile environment. It is especially suitable for measurements on contaminated samples, such as used filters.

FUNCTION

The specimen is positioned over the test head opening and clamped by pressing down the clamping arm. This automatically starts the pump, which maintains the pre-selected test pressure across the sample. After a few seconds the air permeability of the specimen is digitally displayed in the pre-selected unit of measure. By pressing down the clamping arm a second time the specimen is released and the pump is shut off.

The air flow through the test specimen is measured with a variable orifice. The air permeability of the specimen is determined from the pressure drop across this orifice.

EVALUATION OF THE TEST RESULTS

The simplest method of evaluation is to read the results from the digital display of the instrument.

In order to eliminate all reading, writing and calculating tasks, the instrument can be ordered with the FX 3320-PRI "Integrated Strip Printer", which

The MOBILAIR can be supplied in two versions, depending on the area of operation:

- Model FX 3320-OP5 with over-pressure pump for contaminated samples.
- Model FX 3320-UP5 with vacuum pump.

High precision pressure sensors provide for an excellent measuring accuracy and reproducibility of the test results.

The proper function and calibration of the FX 3320 MOBILAIR can be checked in a matter of seconds by means of a calibration check plate.

The instrument is integrated in a carrying case and it is portable. Operation is extremely simple and measurements can be taken without any problem by inexperienced personnel outside of a laboratory.

The instrument can be calibrated, and it is supplied with an ISO conform calibration certificate.

analyzes the results statistically and documents them on a 57 mm (2.24") wide strip of paper.

Alternatively, the MOBILAIR can be connected to a PC with the L 5110 Evaluation Program LABODATA III. The PC prints a comprehensive test report.

TECHNICAL SPECIFICATIONS (subject to change)

- Measuring range: approx. 4 through 4,000 l/m²/s (= mm/s)
approx. 0.8 through 800 cfm
- Measuring accuracy: ± 3 % of the displayed value
- Test area: 5 cm²
- Test pressure: 20 through 1,000 Pa
- Unit of measure: mm/s, l/m²/s, l/dm²/min, cm³/cm²/s, m³/m²/min, m³/m²/h, cfm
- Data port: RS 232
- Power requirements: 90 – 264 V, 50 – 60 Hz, 50 W
- International Protection Rating: IP50
- Dimensions (w x d x h): 45 x 42 x 22 cm
- Weight: approx. 15 kg

ACCESSORIES

FX 3320-FSD FINA Stretching Device

For uniform, bidirectional stretching of samples by 25 %, as per the "FINA Requirements For Swimwear Approval".

FX 3320-PRI Integrated Strip Printer

L 5110 Evaluation Program III for PC