TEXTEST INSTRUMENTS

Testing Instruments for Quality Control

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 testing laboratory and in a mobile environment. It is particularly suitable for measurements on contaminated samples, such as used filters.

The instrument works in accordance with ASTM D 737, BS 5,636, EDANA 140.1, EN ISO 9,237, WSP 70.1, and many other national and international test standards.

The MOBILAIR can be supplied in two versions:

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

FUNCTION

To start a test, the test specimen is placed over the test head opening. By pressing down the clamping arm the sample is clamped in place, the pump is started and the pre-selected test pressure across the sample is automatically maintained.

The air permeability of the test specimen is determined from the pressure drop across a variable orifice. After a few seconds, the result is digitally displayed in the pre-selected unit of measure.

High precision pressure sensors provide for very high accuracy and an excellent 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 mounted in a rugged carrying case. It is portable and operation is extremely simple, so that measurements can be taken even by inexperienced personnel outside of a laboratory.

The instrument can be calibrated. It is supplied with an ISO conform calibration certificate.

EVALUATION OF THE TEST RESULTS

The simplest method of evaluation is to read the test 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 integrated FX 3320-PRI Strip Printer, which analyzes the results statistically and documents them on a 57 mm (2.24”) wide paper strip.

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:	approximately 3 through 8,000 l/m²/s (= mm/s) approximately 0.6 through 1,600 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, dm³/s
• Data port:	RS 232
• Power requirements:	90 - 264 V, 50 - 60 Hz, 100 W
• Dimensions (w x d x h):	47 x 47 x 24 cm
• Weight:	approximately 14 kg

ACCESSORIES

FX 3320-FSD FINA Stretching Device
For uniform, biaxial stretching of the test sample by 25 % in accordance with the "FINA Requirements for Swimwear Approval".

FX 3320-PRI Integrated Strip Printer

L 5110 Evaluation Program LABODATA III for PC