

TESTING INSTRUMENTS FOR QUALITY CONTROL

# FX 3300

## LabAir IV

Air Permeability Tester



**TEXTTEST**  
**INSTRUMENTS**

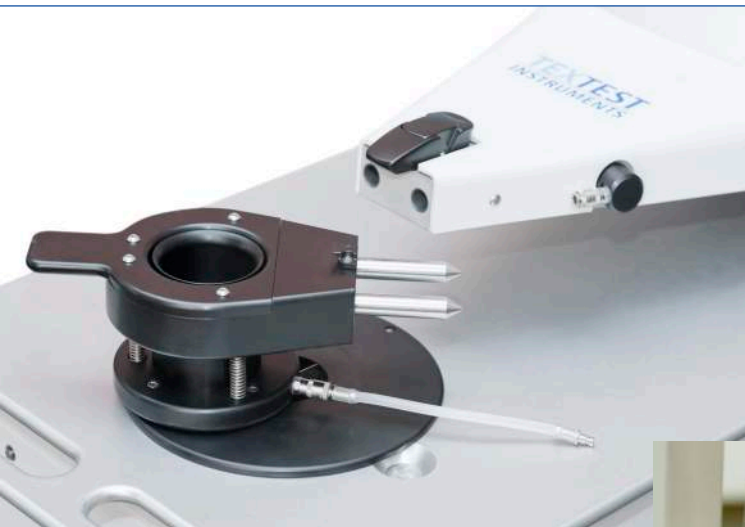
# FX 3300 LabAir IV

The first-rate reference list of the globally established TEXTEST instruments speaks for itself. It mirrors more than 40 years of experience, know-how, and competence in research & development. The fourth generation of Air Permeability Testers for laboratory applications helps customers to increase productivity and to improve quality.



## Benefit thanks to clever design

The sturdy clamping arm and the quick-release locking mechanism for the test heads are the result of a close cooperation of TEXTEST engineers with customers from many different industries. Due to the increased stability of the clamping arm, even critical materials will always obtain test results, which are as accurate as possible. The instrument is thus also suitable for operation in a rough production environment.



## Benefit thanks to cleaning function

There is no need for manual cleaning of the orifice disk anymore. The automatic cleaning function prevents fibers and dust from obstructing the openings of the orifice disk, and keeps particles from sticking to the seals.





## **Benefit** thanks to evaluation and printing options

Flexible data management for every customer preference. The FX 3300 LabAir IV is optionally available with an integrated evaluation program, respectively with an integrated strip printer. Both options are used for easy documentation of the individual test results and statistical evaluation. The instrument can be connected to any network by ethernet or Wi-Fi interface. The data can also be exported to a USB drive.



## **Benefit** thanks to automatic selection of the measuring range

TEXTTEST instruments have always been user-friendly. The fourth generation is another step forward in terms of simplicity of operation. The automatic measuring range control eliminates a source of error, and allows best possible reproducibility of the test results. The touchscreen is used to control the instrument, and for optional style management and data storage.

# Technical specifications FX 3300 LabAir IV

<b>Measuring range:</b>	0.4 ... 750	cm <sup>3</sup> /cm <sup>2</sup> /s	5 cm <sup>2</sup>
	1 ... 10,000	l/m <sup>2</sup> /s (mm/s)	20 cm <sup>2</sup>
	0.6 ... 6,000	l/dm <sup>2</sup> /min	20 cm <sup>2</sup>
	0.1 ... 1,300	ft <sup>3</sup> /ft <sup>2</sup> /min	38 cm <sup>2</sup>
	0.05 ... 700	cm <sup>3</sup> /cm <sup>2</sup> /s	38 cm <sup>2</sup>
	0.03 ... 400	m <sup>3</sup> /m <sup>2</sup> /min	38 cm <sup>2</sup>
	0.1 ... 1,600	l/dm <sup>2</sup> /min	100 cm <sup>2</sup>
	20 ... 2,500	Pa at 1 ... 10,000 mm/s (20cm <sup>2</sup> )	
<b>Units of measure:</b>	mm/s, ft <sup>3</sup> /ft <sup>2</sup> /min, cm <sup>3</sup> /cm <sup>2</sup> /s, l/m <sup>2</sup> /s, l/dm <sup>2</sup> /min, m <sup>3</sup> /m <sup>2</sup> /min, m <sup>3</sup> /m <sup>2</sup> /h, dm <sup>3</sup> /s, Pa (pressure drop), mks rayl, and cgs rayl (air flow resistance)		
<b>Measuring accuracy:</b>	better than ± 3 % of the displayed value		
<b>Test pressure:</b>	20 ... 2,500 Pa (0.08 ... 10" w.c.)		
<b>Test areas:</b>	5, 20, 25, 38 and 100 cm <sup>2</sup>		
<b>Data ports:</b>	- Ethernet 100BASE-TX, IEEE 802.3u - WIFI 802.11g/b, WEP, WPA/WPA2-PSK (optional, not included) - USB 2.0, for USB flash drive - RS 232 C, asynchronous, bi-directional		
<b>Power requirements:</b>	- 195 ... 250 V, 50/60 Hz, max. 1,100 W - 85 ... 130 V, 50/60 Hz, max. 1,100 W		
<b>Air pressure supply:</b>	5 ... 8 bar (for cleaning function only, the instrument can be operated without compressed air)		
<b>Projection of clamping arm:</b>	50 cm (20")		
<b>Sample thickness:</b>	0 ... 10 mm (0 ... 0.4")		
<b>Dimensions (w x d x h):</b>	40 x 100 x 98 cm (15.7" x 39.4" x 38.6")		
<b>Table height:</b>	80 cm (31.5")		
<b>Net/gross weight:</b>	55 / 76 kg		

The instrument is supplied with one calibration check plate, as well as an ISO conform calibration certificate. The test heads are not included and must be ordered separately.

## Accessories

### Test Heads

FX 3300-IV 5	5 cm <sup>2</sup>	BS 5636
FX 3300-IV 20	20 cm <sup>2</sup>	DIN 53887, EN ISO 9237, WSP 70.1
FX 3300-IV 25	25 cm <sup>2</sup>	ASTM D 3574, EN ISO 7231
FX 3300-IV 38	38 cm <sup>2</sup>	ASTM D 737, JIS L 1096-A, TAPPI T 251, WSP 70.1
FX 3300-IV 100	100 cm <sup>2</sup>	for measurements on extremely dense samples

### Other optional accessories

FX 3300-IV STP	Integrated Strip Printer for a basic test protocol
FX 3300-IV EVA	Evaluation Software
FX 3300-IV PRI	Integrated Strip Printer, with evaluation software
FX 3300-IV WLN	WIFI-Module, with evaluation software

Technical data subject to change

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