



FX 3370 SpotAir with many Benefits

The FX 3370 Air Permeability Tester SpotAir determines the Air Permeability, the Pressure Drop, the Acoustic and Specific Flow Resistance at the moving web. It is the smallest, lightest and most versatile Air Permeability Tester currently available on the market.

The FX 3370 SpotAir can be used for manual spot and profile measurements, in which case it is powered by a battery, as well as for continuous profile measurements. In case of continuous measurements, the same instrument can be mounted to the frame of the production line. Mounting points are installed on the instrument for this purpose. Up to five FX 3370 SpotAir can be linked together and operated from a single PC, displaying up to five length profiles over the entire width of the material.

When the FX 3370 SpotAir is used manually, the results of spot measurements are shown on the instrument's display. Profiles can be saved on a USB flash drive for later transfer to a PC.

✓ Benefit thanks to small dimensions

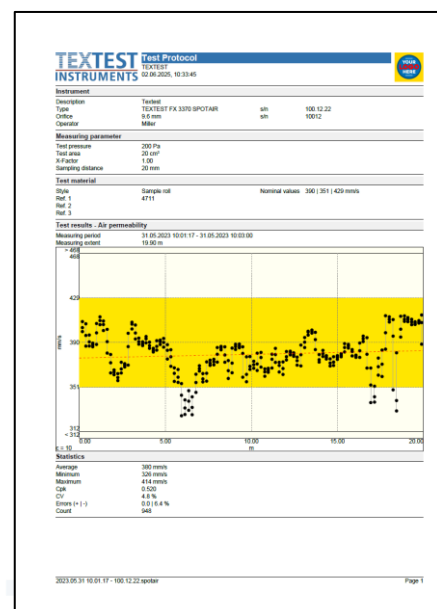
The FX 3370 SpotAir is light weight (approx. 2.2 kg / 5 lbs.) and compact (approx. 20 x 20 x 20 cm / 8 x 8 x 8 in.). Due to the minimal space requirements, it can be integrated into an existing production line without problems. When used manually, the light weight relieves the operator, and no massive rail is required for integration into a production line.

✓ Benefit thanks to a well-proven measuring principle

The FX 3370 SpotAir measures based on the differential pressure measuring principle. This proven method has been used by Textest for several decades, e.g. since 1991 for the laboratory instrument FX 3300. This ensures a good correlation with the results from the lab.

✓ Benefit thanks to transportability

The supplied carrying case not only allows moving the instrument easily and safely within a plant, it also assists when it needs to be taken to a supplier or customer for measurements there.



Sample Test Protocol

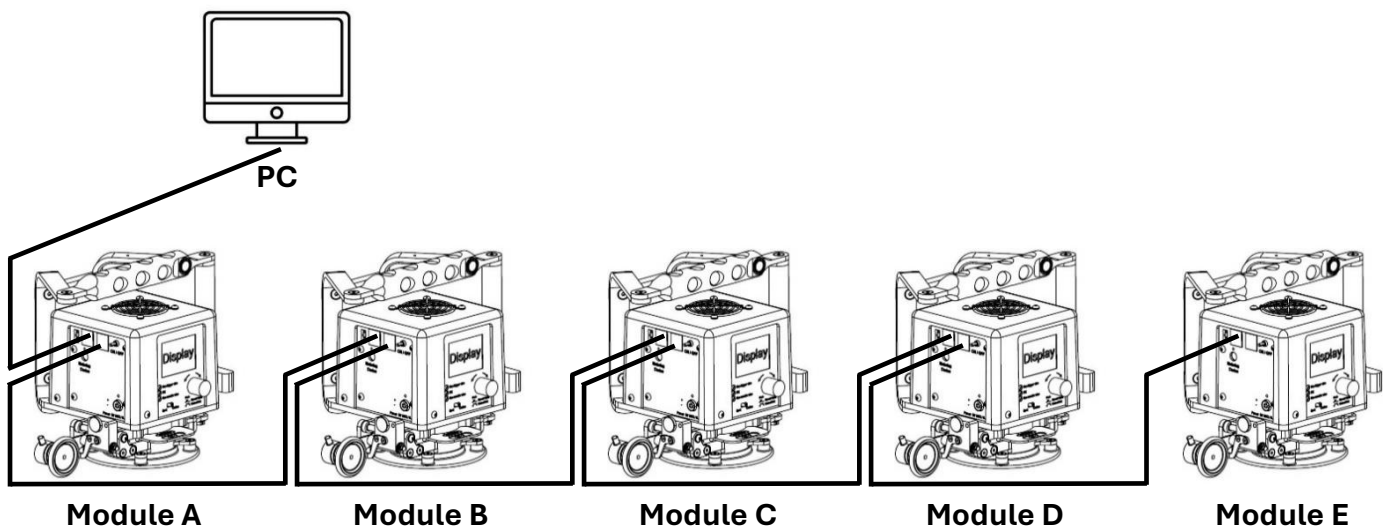


✓ **Benefit thanks to flexibility**

Independent of whether measurements are taken manually or continuously, the FX 3370 always stays the same. This allows for easy and fast switching between mobile and fixed applications. The same FX 3370 can be used for spot and profile measurements.

✓ **Benefit thanks to battery**

The battery that is integrated into the FX 3370, provides electrical power during manual use. It can be recharged inside the instrument using the power adapter provided. When used continuously, the FX 3370 is supplied with energy by cable. This allows for long measuring runs.



Products

FX 3370
FX 3370-B20

Measuring module with integrated display and battery.
15 orifice cards, which cover the entire measuring range. Can be ordered individually.

FX 3370-LWG
FX 3370-EVA

Metering device. Only required for position synchronous profile measurements.
PC software for documentation and evaluation of all measurements.

FX 3370-STREAM1
FX 3370-STREAM5

PC software for control and evaluation of one measuring module.
PC software for control and evaluation of up to five measuring modules.

L 5300-GDC

PC software for reading, converting and integrating the test data into your IT environment.



Technical Specifications

- Measuring range
 - Air permeability 1.2 ... 4'000 mm/s
 - Pressure drop 20 ... 200 Pa
- Test area 20 cm²
- Test pressure 20 ... 200 Pa
- Units of measurement mm/s, l/m²/s, l/dm²/min, l/cm²/h, cm³/cm²/s, m³/m²/h, m³/m²/min, m³/m²/s, ft³/ft²/min, Pas/m, MKS Rayl, CGS Rayl, dm³/s, EN 14683 (Pa/cm²)
- Display accuracy 3 significant digits
- Measuring accuracy
 - Air permeability 3 % of the displayed measured value
 - Pressure drop 3 % of the displayed measured value but not better than 2 Pa
- Repeatability Better than 1 % of the displayed value
- Test point pitch
 - Distance-synchronous 1, 2, 5, 10, 20, 50, 100 mm
 - Time-synchronous 0.5, 1, 2, 5, 10 s
- Sampling rate Maximum of 80 Hz (80 test points per second)
- Maximum temperature material 50 °C
- Protection class IP 40
- Weight 2.2 kg (instrument with 1 orifice card)
6.8 kg (instrument with case and accessories)
- Power requirements adapter 100 ... 230 VAC, 50/60 Hz, 1.2 A
- Measuring time with batteries Approx. 2 hours
- Interfaces 2 x RJ45 Ethernet, 1 x USB 2.0 (slave)
- Languages GUI German, English, French, Italian, Spanish, Portuguese

Subject to change without notice.

A certificate of calibration in compliance with ISO/IEC 17025:2017 and a check plate is included with each FX 3370 SpotAir.



SWISS CALIBRATION
SERVICE