



FX 3050 UniTester
Resistance Tester



FX 3050 UniTester with many Benefits

The FX 3050 UniTester is used to determine the resistance of different materials to penetration by synthetic blood or water (hydrostatic head). The modular design allows the UniTester to be configured according to the respective requirements.

The instrument - depending on the configuration - complies with AATCC 127, ASTM F 1670, ASTM F 1671, DIN 53886, EN 1734, ISO 811, ISO 16603, ISO 16604 JIS L 1092 A, WSP 80.6 and many other national and international test standards.



✓ **Benefit thanks to modular design**

The instrument can be configured as a resistance tester for measurements with synthetic blood (with up to six penetration cells), as a Hydrostatic Head Tester or as a pressure generator for connection to a third-party system or already existing penetration cells.

✓ **Benefit thanks to high accuracy**

A high-precision pressure sensor for control of the test pressure guarantees for excellent accuracy and reproducibility of the test results as well as stable pressure gradients, even in the lower pressure ranges.

✓ **Benefit thanks to good cost-benefit ratio**

The simple and robust design and the use of components, which are also utilized in other TEXTTEST instruments, lead to an attractive price at excellent quality.

Optional Accessories

FX 3000-903

Penetration cell according to ASTM F 1670 and other standards.

FX 3050-100

Test head 100 cm² for measurements of the hydrostatic head.



Technical Specifications

- Measuring range 0 – 500 mbar
- Pressure gradient 1 – 500 mbar/min
- Program test method Freely programmable time-pressure sequences
- Units of measurement for test pressure mbar, bar, mm WC, cm WC, m WC, kPa, psi
- Test area (option FX 3050-100) 100 cm²
- Sample thickness (option FX 3050-100) 0 – 5 mm
- Measuring accuracy ±0.5 % of the displayed value ±1 mbar
- User interface Touch display
- Power requirements 90 - 240 VAC, 50 - 60 Hz, < 200 W
- Compressed air requirements 4 – 8 bar (class 1.4.1 per ISO 8573-1:2010)
- Dimensions (w x d x h) approx. 100 x 58 x 95 cm
- Weight approx. 35 kg

Subject to change without notice.

A certificate of calibration in compliance with ISO/IEC 17025:2017 is included with each FX 3050 UniTester.



SWISS CALIBRATION
SERVICE