

TESTING INSTRUMENTS FOR QUALITY CONTROL 



FX 3050 UniTester

Resistance Tester

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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 F1671, 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 Textest instruments, lead to an attractive price at excellent quality.



FX 3000-903 External Penetration Cell

Technical Specifications

Measuring range:	0 ... 500 mbar (5 m water column)
Pressure gradient:	1 ... 500 mbar/min
Program test method:	Freely programmable time-pressure sequences
Measuring accuracy:	± 0.5 % of the displayed value ± 1 mbar
Units of measure for test pressure:	mbar, bar, mm w.c., cm w.c., m w.c., kPa, psi
Test area (option FX 3050-100):	100 cm ²
Sample thickness (option FX 3050-100):	0 ... 5 mm
User interface:	Touch display
Power requirements:	90 ... 240 V, 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

The scope of supply includes an ISO conform calibration certificate.

Subject to change

Accessories:

FX 3000-903	Penetration cell according to ASTM F 1670 and other standards
FX 3050-100	Test head 100 cm ² for measurements of the hydrostatic head




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