

TXL-KMS-026 / 27 October 2026 · One-year manufacturer warranty

Fabric Liquid Extractor (pH CORE)

Speeds up pH, conductivity and residual analysis by extracting raw or dyed textile material in a short time. The specimen is held between two heated plates under a predefined pressure, a test liquid is pressed through the fabric and the extract is collected in a tube. For woven, nonwoven, knitted, yarn and fibre samples.



Model technical data

1	Extraction surface 52 cm ² ; sample at least Ø100 mm, thickness 0.1–6 mm.
2	Extraction liquid 5 ml per cycle.
3	Temperature range: 20–95 °C (1-liquor model) / 20–150 °C (multi-liquor model).
4	Extraction time: 30 s – 5 min / 30 s – 42 min.
5	Number of extractions 1–255; 10 programs.
6	Two models: 1-liquor (1 bottle) and multi-liquor (4 bottles for 4 different liquors).
7	Applications: pH measurement, wash procedure control, residual analysis, conductivity analysis; wash / water fastness and perspiration fastness checks.
8	Easy touchscreen operation; compact benchtop design.
9	Power supply: 220 V, 50 Hz / 110 V, 60 Hz.
10	Weight 14 kg / 16 kg; dimensions (W × H × D) 380 × 410 × 340 mm / 380 × 410 × 440 mm.

Physical specifications and utilities

Electrical supply	Power supply: 220 V, 50 Hz / 110 V, 60 Hz.
Power / connected load	Approx. 50–150 W connected load for preliminary planning.
Overall instrument dimensions	Weight 14 kg / 16 kg; dimensions (W × H × D) 380 × 410 × 340 mm / 380 × 410 × 440 mm.
Instrument weight	Weight 14 kg / 16 kg; dimensions (W × H × D) 380 × 410 × 340 mm / 380 × 410 × 440 mm.
Gross / shipping weight	Approx. 26.5–53.8 kg gross; estimated packing allowance.
Lab requirements	Water supply and drain; hot water, water quality and plumbing capacity depend on order configuration.

Dimension order and approximate values are stated in each row. Packaging data are separate from instrument dimensions and net mass. Approx. rows are preliminary engineering estimates based on comparable equipment and function/capacity; they are not verified manufacturing measurements or standard requirements. Installation and shipment are finalised against the approved drawing and nameplate. Estimate scope: base product / one unit; external computer, bench and auxiliary plant excluded.

Specifications, dimensions, and power requirements are approximate and subject to change without prior notice for continuous design improvements.

Product technical specifications and images may vary according to manufacturing conditions and applicable standards.

Test and configuration

Measured output / function	Liquid extract from textile specimens for analysis
Parameters selected for the method	Specimen area, process temperature, time and extraction liquid
Verification points	Temperature, time and specimen contact area

Control and recording specification

Method-specific software and recording requirements follow. Delivered software modules are defined by the order scope.

- Method code and edition, specimen ID, operator and selected test parameters are linked to the record.
- The calculation and endpoint are defined by the selected method edition; instrument signals and operator assessments are kept distinct.
- Raw measurements, units, valid/invalid test flags and the reported result remain traceable.
- Calculations are checked against known inputs and an independent calculation; sensor channels are checked against calibration values.

Related test methods

ISO 3071 · AATCC 81

Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.

Test parameters for the reviewed method

The values below were reviewed in selected clauses of the stated source edition. They are not a declaration of equivalence to a later edition or independent instrument verification.

ISO 3071 (earlier edition) / 6-8

1	Reference aqueous extraction uses 2.00 ± 0.05 g and mechanical shaking for 2 h $\pm$ 5 min. Equivalence of rapid extraction is verified separately.
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AATCC 81-2006 / 8.1, 9.1-9.3

1	Reference extraction: specimen 10 ± 0.1 g and 250 mL distilled water; boil water for 10 min, then boil a further 10 min after adding the specimen. Rapid pH CORE extraction requires separate equivalence validation.
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