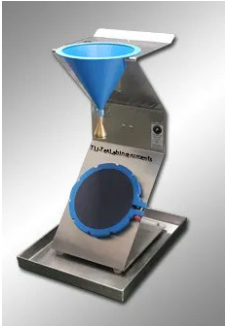


TXL-KMS-010 / 27 October 2026 · One-year manufacturer warranty

Spray Rating Tester

Surface wetting resistance of fabrics.



Model technical data

1	Determines the resistance of water-repellent treated fabrics to water and wetting by the spray method.
2	A defined volume of distilled or fully deionised water is sprayed onto the specimen from a set distance.
3	The wetting grade is determined by comparing the specimen with the defined standard images.

Physical specifications and utilities

Electrical supply	Manual / passive base apparatus; no mains supply assumed.
Power / connected load	Approx. 0 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 350 × 350 × 700 mm (W × D × H).
Instrument weight	Approx. 5–10 kg net.
Gross / shipping weight	Approx. 15.5–22.5 kg gross; estimated packing allowance.
Lab requirements	Water specified by the selected method and a collection vessel; compressed air is not assumed.

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	Surface wetting grade; not a hydrostatic pressure measurement
Parameters selected for the method	Water quality, volume, nozzle and specimen angle
Verification points	Spray nozzle, volume and distance

Control and recording specification

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

- The need for integrated software depends on the method and selected hardware; manual instruments use an external test record.
- 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

AATCC 22 · ISO 4920

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 4920:2012 / 5.1-5.4 / 8.3

1	Water volume: 250 ± 2 ml; spray duration: 25-30 s.
2	Specimen orientation: 45°; vertical distance between nozzle centre and test-area centre: 150 ± 2 mm.
3	Nozzle: 19 holes; hole diameter: 0.86 ± 0.05 mm.

AATCC 22-2005 / 7.1, 8.1-8.4

1	Three 180 × 180 mm specimens; retaining-hoop diameter 152.4 mm. Spray 250 mL distilled water at 27 ± 1 °C over 25-30 s.
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