

TXL-KMS-011 / 27 October 2026 · One-year manufacturer warranty

Bundesmann Water Repellency Tester

Water repellency under simulated rain conditions.



Model technical data

1	It consists of 4 specimen holders of 100mm diameter cups.
2	Rain is produced by 300 pieces nozzle and falls down from 1500 mm height from the fabrics.

Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 200–600 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 800 × 800 × 2100 mm (W × D × H).
Instrument weight	Approx. 130–200 kg net.
Gross / shipping weight	Approx. 168–275 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	Water absorption, penetration and surface wetting under rain
Parameters selected for the method	Rainfall arrangement, duration, holders and rubbing elements
Verification points	Rainfall distribution, timing and holder motion

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 9865

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 9865 (earlier edition) / Deney ve kalibrasyon

1	Rain calibration: 200 ± 10 ml per cup in 2.5 min; water-absorption assessment uses weighing to 0.01 g.
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