

TXL-KMS-025 / 27 October 2026 · One-year manufacturer warranty

Fabric Drape Tester

Drape coefficient measurement of fabrics.



Model technical data

1	The drape coefficient is calculated by digitally scanning the shadow of the fabric.
2	Computer controlled; the software is supplied with the instrument.
3	Approximate overall dimensions: 500 × 500 × 500 mm.
4	Approximate instrument weight: 19 kg.

Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 20–80 W connected load for preliminary planning.
Overall instrument dimensions	Approximate overall dimensions: 500 × 500 × 500 mm.
Instrument weight	Approximate instrument weight: 19 kg.
Gross / shipping weight	Approx. 30.9–33.8 kg gross; estimated packing allowance.
Lab requirements	Level, stable working surface; specimen conditioning follows the selected method.

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	Drape coefficient derived from shadow projection (%)
Parameters selected for the method	Specimen diameter, support disc and shadow assessment
Verification points	Support/specimen areas and optical geometry

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.
- $\text{Drape (\%)} = 100 \times (\text{shadow area} - \text{support area}) / (\text{specimen area} - \text{support area})$.
- 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 9073-9

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 9073-9:1995 / 5.1.1 / 5.2 / 5.4

1	Support disc: 18 cm diameter; circular specimen templates: 24, 30 and 36 cm.
2	Auxiliary balance for the paper-mass method: weighing to 0.01 g.