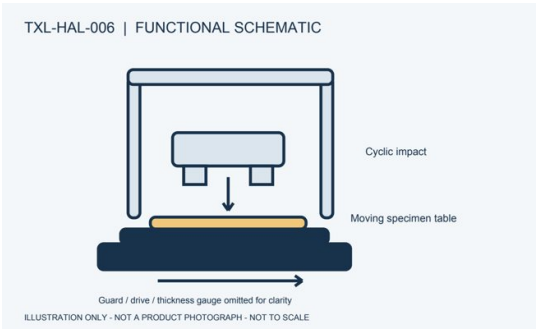


TXL-HAL-006 / 27 October 2026 · One-year manufacturer warranty

Dynamic Load / Cyclic Compression Tester

Dynamic fatigue and compression resistance of carpets. Simulates long-term use of carpets and floor coverings as realistically as possible. Features a robust and durable mechanical structure.



Functional schematic: illustrative only; not a production photograph or a dimensioned engineering drawing.

Model technical data

1	Determines the compressibility of floor coverings under cyclical impacts of preset weights for a defined number of impacts.
2	Supplied with an integrated safety cover, cumulative counter and electronic preset unit.

Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 200–500 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 750 × 650 × 1200 mm (W × D × H).
Instrument weight	Approx. 90–150 kg net.
Gross / shipping weight	Approx. 124–212.5 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	Thickness loss after repeated impacts
Parameters selected for the method	Impact count, loading element and specimen position
Verification points	Impact counter, loading element and thickness measurement

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.
- Thickness loss and recovery are calculated using initial thickness and method-specific times.
- 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.
- Record schema: 50/100/200/1000 impact stages, initial/final thickness and thickness loss, following the ISO 2094 recipe.

Related test methods

ISO 2094

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 2094:1999 / 5.1.1-5.2

1	Dynamic carpet loading: impact mass 1279 ± 13 g, drop height 63.5 ± 0.5 mm and interval 4.3 ± 0.3 s. Configure the two feet and traversing table to the method; count impacts. Measure thickness at 2.0 kPa with 0.1 mm accuracy.
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