TXL-DER-002 / 27 October 2026 · One-year manufacturer warranty

Leather Rub Fastness Tester

Carries out a rub fastness test on the leather surface to determine the amount of marring of the surface or finish and to assess colour transfer from the specimen to the rubbing pad. Fastness is assessed by checking the colour change of the specimen and the staining of the felt after rubbing.

Model technical data

1	Carries out a rub fastness test on the leather surface, assessing surface marring and colour transfer to the felt.
2	Fastness is assessed by checking the colour change of the specimen and the staining of the felt after rubbing.
3	It has a memory function and both dry and wet tests can be performed.
4	It has a touch screen control panel.

Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 50–150 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 650 × 450 × 400 mm (W × D × H).
Instrument weight	Approx. 20–40 kg net.
Gross / shipping weight	Approx. 32–60 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	Staining grade of rubbing cloth after rubbing
Parameters selected for the method	Rubbing head, load, motion and wet/dry condition
Verification points	Force, stroke, counter and reference cloth

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

ISO 11640 · DIN 53339

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.

EN ISO 11640:1998 / TS EN ISO 11640:2001 / 4.1.2-4.1.3

1	Rubbing-foot base 15 × 15 mm; finger mass 500 ± 25 g plus a 500 ± 10 g additional load. Reciprocating travel 35-40 mm at 40 ± 2 cycles/min.