TXL-HAL-011 / 28 October 2026 · One-year manufacturer warranty

Vettermann Drum Tester — TL-VTD-03 (Three Stations)

Single-row three-station laboratory system; three independent drums share one carrier body and one control interface. Each drum keeps its own drive, revolution sensor, door lock, method kit and suction line. 7 inch shared HMI. Approx. 2,850 × 900 × 1,450 mm / 590 kg; 380-415 V three phase, ≤5.5 kW.



Model technical data

1	Stations: 3, 3×1 layout.
2	Control: 7 inch shared HMI.
3	Drum: 730 ± 10 mm internal diameter; 270 ± 5 mm internal depth.
4	Motion: 16 ± 1 rpm; automatic direction reversal every 5 minutes.
5	Method kits: ISO 23106 A14 and ISO 10833 E06 loading assemblies.
6	Dimensions / mass: approx. 2,850 × 900 × 1,450 mm / 590 kg.
7	Electrical: 380-415 V, 50/60 Hz, three phase; ≤5.5 kW.

Physical specifications and utilities

Electrical supply	Electrical: 380-415 V, 50/60 Hz, three phase; ≤5.5 kW.
Power / connected load	Electrical: 380-415 V, 50/60 Hz, three phase; ≤5.5 kW.
Overall instrument dimensions	Dimensions / mass: approx. 2,850 × 900 × 1,450 mm / 590 kg.
Instrument weight	Dimensions / mass: approx. 2,850 × 900 × 1,450 mm / 590 kg.
Gross / shipping weight	Approx. 675–765 kg gross; published instrument mass 590 kg plus 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	Appearance and damage assessment after mechanical action
Parameters selected for the method	Drum, loading element, turn count and specimen restraint
Verification points	Rotational speed, counter and loading element

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 23106 · ISO 10833

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 10833:2017 — historical apparatus preview / 5.1–5.4

1	2017 cut-edge method: ISO 10361:2015 clause 5.1.1 drum; vacuum nozzle airflow at least 25 L/s. Steel ball with six equally spaced rubber studs: bare-ball mass 7000 ± 100 g, diameter 120 ± 0.2 mm. Renew studs before every test. Ball mass is not instrument weight; this preview does not establish equivalence to the 2025 edition.