

TXL-GEN-012 / 27 October 2026 · One-year manufacturer warranty

Electronic Pipette

Automatic electronic pipettes. Single and multi-channel. A functional device that meets the basic needs of every textile laboratory, offering regular and flexible operation capabilities.



Model technical data

1	Function: delivery of a set liquid volume using electronic piston control.
2	Configuration: volume range, setting increment and channel count are specified with the selected model.
3	Tip selection: volume verification is performed on the complete pipette and compatible-tip system.
4	Record: set volume, replicate measurements, systematic error and repeatability are recorded.

Physical specifications and utilities

Electrical supply	Approx. battery / rechargeable battery; voltage and charger depend on build.
Power / connected load	Approx. 1–5 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 60 × 50 × 300 mm (W × D × H).
Instrument weight	Approx. 0.1–0.3 kg net.
Gross / shipping weight	Approx. 0.5–0.8 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	Dispensing a set liquid volume (µl or ml)
Parameters selected for the method	Volume range, channel count and tip compatibility
Verification points	Gravimetric volume verification

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

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Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.