BATTERY AND ELECTRONICS SAFETY TESTING

Low-Pressure (Altitude) Test Chamber 216 L / 1 m³ (TL-LP-216)

Model TL-LP-216 | **7–101 kPa** | **UN 38.3** | **IEC 60068-2-13**

DESCRIPTION

Low-pressure test chamber adjustable from 7 to 101 kPa for batteries, electronic components and packaging; sealing, structural and functional checks under air-transport and high-altitude conditions (UN 38.3 T1, IEC 60068-2-13). 216 L and 1 m³ versions; explosion-resistant door, pressure relief and smoke exhaust line.



Image for illustration; configuration may differ

TECHNICAL FEATURES

- Test pressure 7–101 kPa adjustable; control accuracy 0.1 kPa
- Tests at room temperature (the temperature required by the standard is provided by laboratory air conditioning)
- Two-stage vacuum pump; automatic and manual pressure relief (door can be opened during a power failure)
- Two SUS304 shelves, ≥ 50 kg each; optional 300–400 A current terminals and voltage/temperature feedthroughs
- Overload and leakage protection, emergency stop, three-colour alarm light; 220 V, 50 Hz, 2 kW; compressed air ≥ 0.6 MPa
- Internal size: 600 × 600 × 600 mm (216 L) or 1,000 × 1,000 × 1,000 mm (1 m³)
- SUS304 stainless steel chamber, 3 mm (thickness on request); corrosion-resistant silicone seal
- Two explosion chains on the door; 19 mm smoke exhaust line; LED interior lighting
- TLI-TexLabInstruments touch-screen PLC control: time and pressure programmes, real-time pressure display, data export

APPLICABLE METHODS

UN 38.3	IEC 60068-2-13
Lithium batteries – T1 altitude simulation	Low air pressure test

SUPPLY AND SERVICE

- One (1) year warranty
- Installation, commissioning and operator training
- Remote technical support after installation
- Spare parts and service from Istanbul

WHY TLI-TEXLABINSTRUMENTS

- Control system and software by TLI-TexLabInstruments
- CE marked instruments
- ISO 9001 / 14001 / 45001 certified manufacturer
- Direct sales to 16 countries and the EU

Please note: Values refer to the standard configuration; room and chamber dimensions, electrical power and site requirements are given in the technical specification of the ordered configuration. Image for illustration; the delivered configuration may differ.

Specification and quotation

Send us your test specification and specimen details.

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Product page: www.texlabinstruments.com/en/p/txl-gen-033-low-pressure-altitude-test-chamber-tl-lp-216
Rev.00 · 24.11.2026