CLIMATIC AND ENVIRONMENTAL TEST CHAMBERS

Temperature and Humidity Test Chamber 1,300 L (TL-TH-1300)

Model TL-TH-1300 | **–40 / +80 °C** | **BMW PR 303.5** | **IEC 60068-2**

DESCRIPTION

Floor-standing temperature and humidity test chamber with a test volume of approx. 1,300 L. Constant and programmed tests at –40 / +80 °C and 20–98 % RH, for automotive climate change tests (BMW PR 303.5) and IEC 60068-2 temperature and humidity methods. The chamber and its control software are built by TLI-TexLabInstruments; test profiles are set up on the chamber together with the user.



Image for illustration; configuration may differ

TECHNICAL FEATURES

- Temperature range –40 / +80 °C; the construction is suitable for operation up to +150 °C
- Temperature uniformity ≤ 2 °C, fluctuation ≤ ±0.5 °C, deviation ≤ ±1 °C
- Heating ≥ 3 °C/min, cooling ≥ 1.2 °C/min (empty chamber average)
- Heated four-layer viewing window with LED lighting; heated door frame against frosting
- Air-cooled compressor refrigeration, R404A; steam humidifier with automatic pure-water supply
- Over-temperature protection, emergency stop and alarm records; 400 V, 3-phase, 50 Hz; CE marked
- Humidity range 20–98 % RH (20–95 °C)
- Humidity deviation +2/–3 % RH (> 75 %), ≤ ±5 % RH (≤ 75 %); humidity fluctuation ≤ ±2.5 % RH
- SUS304 stainless steel interior; 100 mm polyurethane insulation; double silicone door seal
- Cable entry ports on the left and right; two stainless specimen shelves; castors and levelling feet
- TLI-TexLabInstruments control software: BMW PR 303.5 climate change cycles and user-defined profiles, data logging, data export via USB / Ethernet (RJ45) / RS-485

APPLICABLE METHODS

BMW PR 303.5 Climate change test (automotive)	**IEC 60068-2-1** Cold test	**IEC 60068-2-2** Dry heat test	**IEC 60068-2-30** Damp heat, cyclic
IEC 60068-2-78 Damp heat, steady state			

SUPPLY AND SERVICE

- One (1) year warranty
- Installation, commissioning and operator training
- Test profiles set up on the chamber with you
- Spare parts and service from Istanbul

WHY TLI-TEXLABINSTRUMENTS

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

Please note: Internal dimensions, electrical power, weight and site requirements (pure water, drain, ventilation) 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.

info@texlabinstruments.com
+90 533 326 71 71
www.texlabinstruments.com

Product page: www.texlabinstruments.com/en/p/txl-gen-030-temperature-humidity-test-chamber-tl-th-1300
Rev.00 · 24.11.2026