

Climatic Chamber

Climatic chamber, located in Gliwice, Poland. The chamber is suitable for ambient pressure thermal tests at given relative humidity (RH) environment. It provides high stability of temperature ($\pm 0.3^{\circ}\text{C}$) and relative humidity ($\pm 3\%$). Device under test can be placed on a grid or be hanged from it. Our specialist team ensures a high-quality service based on experience from our in-house projects.



General

- Specimen max size [mm]: 541x601x634
- Mass max. [kg]: 50
- Feedthroughs: 2 x blinded-off feedthroughs
- Data acquisition: temperature and humidity, additional equipment can be provided

Temperature

- Cooling: Air
- Temperature range [$^{\circ}\text{C}$]: -70 to +180
- Temperature stability [$^{\circ}\text{C}$]: $\pm 0.1 \dots \pm 0.3$
- Temperature change rate [$^{\circ}\text{C}/\text{min}$]: ≤ 4

Humidity

- rH range [%]: 10 to 95
- rH stability [%]: $\pm 1 \dots \pm 3$

■ Advanced engineering facility - equipment & expertise

- IISO 7 Cleanroom - Controlled environment for precision work and contamination-sensitive projects
- CNC Machine - Computerized manufacturing for accurate, high-quality parts
- Climate Chamber - Controlled atmosphere for testing products under various temperature and humidity conditions
- Laboratory Power Supply - Stable, regulated voltage for a variety of electronic applications
- Multimeters - Precise measurement of electrical properties, including voltage, current, and resistance
- Temperature Data Acquisition - Monitor and record temperature changes for detailed analysis and testing
- Aerospace Industry Experience - Trusted expertise for aviation, space exploration, and related technologies