

LABORATORY EQUIPMENT

CTS CW-60/4 climatic chamber

- Internal dimensions (W × H × D): 1500 × 2400 × 1200 mm,
- Maximum length of the tested element: 3050 mm,
- Door dimensions (W × H): 1500 × 2400 mm,
- Inspection window: 500 × 500 mm,
- Temperature regulation: from -60 to +100 ° C,
- Humidity regulation: from 10 to 95 RH,
- Floor loading up to 10,000 N/m²
- Controller with a touch panel, real-time reading, alarms

Angelantoni ACS PV8500 climatic chamber

- Internal dimensions (W × H × D): 2000 x 2200 x 2000 mm,
- Maximum length of the tested element: 3500 mm,
- Door dimensions (W × H): 2000 x 2200 mm,
- Inspection window: 500 × 500 mm
- Temperature control: -50 to +90 ° C
- Humidity regulation: from 20 to 95 RH,
- Floor loading up to 10,000 N/m²
- Controller with a touch panel, real-time reading, alarms

Angelantoni ACS PV8500DH climatic chamber for long-term simulation of high temperature and humidity

- Internal dimensions (W × H × D): 2000 x 2200 x 2000 mm,
- Maximum length of the tested element: 3500 mm,
- Door dimensions (W × H): 2000 x 2200 mm,
- Inspection window: 500 × 500 mm,
- Temperature regulation: from +50 to +90 ° C,
- Humidity regulation: from 70 to 90 RH,
- Controller with a touch panel, real-time reading, alarms

Hail simulator

- Diameter of ice balls: 25mm
- Speed of ice balls in the range of 10-50 m/s

SUV radiation simulator

- Own construction
- 26 UV lamps, each 180W power
- UVA radiation: 60 W/m², UVB: 1.5 W/m²
- Temperature in the simulator 65°C -80°C
- Possibility of precise temperature monitoring of tested samples

UNI-T 513A insulation resistance tester

Stand for testing the electric resistance in conditions of high humidity (wet-leakage test) - a bathtub with dimensions of 210cm x 120cm and a depth of 25cm.

Thermal blankets for heating PV panels

Darkroom and Nikon infrared camera

Berger flash-tester for determining voltage-current characteristics of PV panels