



Description:

The temperature of the chamber can be changed by a control system with Peltier elements.

The humidity is controlled by a saturater unit and a drying unit with desiccant.

A special designed electronic circuit board in combination with a capacitive humidity and temperature sensor controls the chamber.

In the chamber, a continuous airflow guarantees a homogeneous temperature and humidity.

The set points for both, temperature and humidity can be set by hand or automatically with 0...10V signals from computer systems.

Technical Specifications at 20°C ambient temperature typical values.

Temperature range	10..50°C (min. temp.= Tamb. -10°C)
Temperature stability	± 0.1°C
Temp. Change 20 → 40°C	100°C/h
Temp. Change 40 → 20°C	40°C/h
Display	0.0... 99.9°C LED 14mm
Humidity- range	10...90%RH (depending on conditions, 5..95%)
- stability	± 0.2%RH]
- accuracy (10..70%RH)	± 1.0%RH >depending on calibration of sensor
- accuracy (5..90%RH)	± 1.5%RH]
Display	0.0... 99.9%RH LED 14mm
Dimensions W x H x D	530 x 300 x 430 mm
Dimensions W x H x D	105 x 105 x 160 mm
Chamber	2 dm ³
Weight	20 kg
Supply	85..264 Vac, 47/63 Hz, 150 VA
Fuse	1 A T

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