s-tec

INNOVATION IN AUTOMATION

TSR 2252 LN

Environmental simulator for temperatures from -80 bis 225 °C

The environmental simulator „Temperature Stress Routine – TSR 2252 LN“ developed by S-Tec GmbH tests electronic and mechanical components made of different materials in a temperature range from -80 to 225 °C, which can optionally be extended up to 350 °C. The simulator can be used in a wide range of applications. In addition, the simulator reliably tests in fast cycles between extreme temperature differences.

The possibility of programming cycles, ramps, repetitions, start sequences as well as a recipe management of the data sets make the TSR an allrounder with which the user can quickly carry out and document his tests. Index management is available for temperature selection and ramp selection.

The flexible tester can be operated with internal compressed air - without the need to provide liquid nitrogen or liquid oxygen. The cooling system of the TSR is designed for high volume flows, which can vary from 2 l/s up to 10 l/s. The TSR is designed for high flow rates.

Due to the compact design, the swivelling and height-adjustable feed hose and three different test bell sizes, the TSR can be optimally adapted to any working area. The tests are simple and repeatable thanks to the user-friendly HMI interface with self-explanatory menu navigation.

Customers:
Manufacturers of semiconductor materials and electronic components such as microprocessors and integrated circuits as well as mechanical components require test procedures that simulate the action and behavior of the components under different environmental conditions.

S-Tec GmbH · Gewerbepark 13 · D-87640 Biessenhofen · Fon: +49 8342 895708-0 · www.S-TEC.eu

Standard functions of the TSR 2252 LN

- High testing capacity and also reliable
- self-contained, two-stage „mechanical“ cold
- Internal air temperature control and monitoring systems
- External thermocouple for closed-loop DUT temperature control
- DUT controller including auto tuning for optimal external control directly at the test part
- Programming of cycles, ramps, repetitions, start sequences
- Recipe management of data records
- Index management for fast temperature selection and ramp selection
- Storable setups as well as temperature and data acquisition
- Simple operation with built-in safety functions and plain text error messages
- 100 % „made in germany“