
**DEVICE «ERBY-7001»
FOR THERMO TRAINING OF LASER MODULES
FOR FIBER-OPTIC COMMUNICATION LINES**

Laser or SLD module contains a laser or SLD transducer, coupled with an optical fiber, may contain a thermistor, a feedback photodiode, a built-in micro-refrigerator Peltier. The thermo training is a long time operation of the module at an elevated temperature with periodic control of the deviation parameters from initial values.

The device has 12 racks to connect to each a single module. The operator can set several modules without interrupting the operation of adjacent racks, individually set options for training in each rack.

Each rack provides the necessary parameter values for the thermo training:

- stable pump current or output power (there are two possible modes);
- a stable temperature of the module;
- restricts the pump current to a safe level.

On the digital display built into the device 7001 controlled parameters of the thermo training of any rack are displayed.

The radiating power is evaluated by the rack's photodetector current.

Device automatics protects the module against current overload.

The characteristics of the device:

Parameter	Value
The current pump of the module	From 50 to 250 mA
The accuracy of the setting and maintaining of the stable current	Not worse than 1 mA
Measured output radiating power	From 0,1 to 10 mW
The accuracy of the setting and maintaining of the stable current	Not worse than 0,3% of the maximum value
Module temperature	From ambient to +80 °C
The accuracy of maintenance module temperature	Not worse than 2 °C
Voltage on the module	From 1 to 3 V
The accuracy of measure of the voltage on the module	Not worse than 0,02 V

The choice of the rack and displayed parameter are performed with buttons on the panel of the device.

If You use a computer, these functions are performed by a special computer program. Algorithm of poll of racks may be set for all the racks at once or for each individual. Computer polls the racks in the automatic mode and issue a decision of defect or fit each module (on the basis of criteria defined by the operator).

The device provides a clock thermo training of 12 modules for many months.

More information, photos, description: <http://erbysar.com/7001.htm>.

MANUFACTURER: «ERBY» LLC

Address for mail: p.o. box 3300, Saratov, Russia, 410054

Tel. +7 (8452) 58-41-64; +79616477258

Site: <http://erbysar.com/>

E-mail: info@erbysar.com