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**LASER LAB SOURCE**

manufactured by  **OEM Tech**  
LASER ELECTRONICS

# Benchtop Thermoelectric Controller

## 150 Watt TEC Controller



### **Part Number TEC-150W-BT** **Benchtop Thermoelectric Controller**

- o High Stability, High Accuracy Design
- o 10 Amp Maximum Output, up to 20 Volts
- o Maximum Output Power 150 Watts
- o Universal Power Supply Input
- o Front Panel Control, or Remote Control by RS-232 Interface
- o Cost-Effective and Easy To Use



## TEC-150W-BT THERMOELECTRIC CONTROLLER BOARD

The TEC-150W-BT is a compact and easy to use bipolar thermoelectric module controller. The controller is designed to regulate the temperature of objects using a Peltier-type thermoelectric cooler, and stabilizing the temperature at the programmed setpoint level.

## TWO CONTROL MODES FOR APPLICATION FLEXIBILITY

The TEC controller has two control modes: remotely using the RS-232 interface, or manually using the front panel controller:

- Remote mode – uses a simple RS-232 command set for setpoint adjust and output enable.
- Front panel mode – the front panel is as easy to use as it can be, with simple controls for the setpoint adjust, output enable, and actual-temperature display.

## TEC-150W-BT SPECIFICATIONS

### TEC OUTPUT SPECIFICATIONS

- Maximum Output Power: 150 Watts
- Maximum Output Current: 10 Amps
- Maximum Output Voltage: 20 Volts
- Output Temperature Control Range: 10°C to 40°C
- Temperature Accuracy: 0.1°C

### CONTROL MODES

- Temperature Sensor Input: 10 k $\Omega$  NTC Thermistor
- Front Panel Control
- RS-232 Interface for Remote Control

### GENERAL SPECIFICATIONS

- Power Supply Voltage: 110-230 V AC, 50/60 Hz; 2 A (max)
- Cooling: Forced Air Cooling
- Size: 225 mm x 200 mm x 60 mm
- Weight: 1.5 kg





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**LASER  
DIODE TEC  
CONTROLLERS**

## **PRODUCT SALES AND SERVICE:**

Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by OEM Tech, Belarus.

## **PRODUCT WARRANTY:**

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



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