Temperature Controllers

5240 & 5300 SERIES TECSOURCE TEMPERATURE CONTROLLERS

The **TECSource Series** of temperature controllers provide a range of capable temperature controllers with very stable control and an easy-to-use interface. With powers ranging from 28W to 120W, a **TECSource** temperature controller is sure to fit your test and measurement needs.

Quick Specifications

	5240	5305	5310
Primary Specifications			
Current (A)	4	5	10
Voltage (V)	7	12	12
Maximum Power (W)	28	60	120
Sensor Inputs			
Thermistor	Yes	Yes	Yes
RTD, LM335, and AD590	No	Yes	Yes
RTD 4-wire sense	No	Yes	Yes
General Specifications			
Size [in (mm)] **Height**	1.82 (47)	3.5 (90)	
Width	8.5 (215)	8.5 (215)	
Depth	11 (280)	12 (305)	
Output Connector	DB-15		
Computer Interfaces	USB	USB & RS-232	

Power to spare

With 28W, 60W and 120W versions available, buying temperature control power has never been less expensive. The extra power allows you to push your test setup farther without the typical costly upgrades normally associated with that amount of TEC power.

Built-In Fan Controller

Both the **5240** and **5300 Series** controllers include a built-in adjustable DC power supply which can be used to power external fans often found in test fixtures.

Measure Everything

Unlike many temperature controllers, the **TECSource** measures current, temperature, *and voltage*. Voltage measurement is often omitted in low cost temperature controllers. The **TECSource** is low cost, but not low performance.

Not a thermistor? Not a problem. RTDs, LM335s, and AD590s welcome here.

The **5300 Series TECSources** not only support standard thermistor temperature sensors, they are also equipped to measure temperature from LM335s, AD590s, and RTDs. No external modules, it's all in the box. RTD support is further extended with selectable 4-wire sense, virtually eliminating non-sensor resistances from the cable and connectors.

Fully Adjustable PID Control

All **TECSources** offer factory defined gain settings for temperature control. Need more control? Switch to PID gain and you have individual adjustment of each value in the PID circuit, providing fine adjustment of the control loop.

Simple User Interface

Unlike other instruments in their class, the **TECSource** employs a dot-pixel character display that allows for human-readable status, readings, and errors. No longer do you need to get out the manual to figure out how to set the current limit, or to understand what error 114 is; you can read it directly on the display in plain English. This allows the user interface to be greatly simplified and at the same time easier to use.

Computer Interfaces

All **TECSources** come standard with a USB interface, and **5300 TECSources** also include RS-232. They are command set compatible with other manufacturers' drivers, allowing you to leverage any existing software you may have already developed.

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