

Temperature Controllers

5240, 5300 & 5400 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 960W, a **TECSource** temperature controller is sure to fit your test and measurement needs.



Quick Specifications

Primary Specifications	5240	5305	5310	5300-08-24	5300-10-18	5400-15-28	5400-30-28	5400-20-56
Current (A)	4	5	10	8	10	15	30	20
Voltage (V)	7	12	12	24	18	28	28	56
Maximum Power (W)	28	60	120	192	180	420	840	960

Inputs / Outputs

Thermistor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RTD, LM335, and AD590	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RTD 4-wire sense	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of Sensor Inputs	1	1	1	1	1	7	7	7
Digital I/O	No	No	No	No	No	Yes	Yes	Yes
Analog Output Monitor	No	No	No	No	No	Yes	Yes	Yes

General Specifications

Size [in (mm)]	Height	1.82 (47)	3.5 (90)			3.5 (90)		
	Width	8.5 (215)	8.5 (215)			12 (305)		
	Depth	11 (280)	12 (305)			14 (356)		
Output Connector		DB-15				17W2		
Computer Interfaces	USB	USB & RS-232						

Ordering Information:



800 Village Walk #316
 Guilford, CT 06437
 Ph: 203-401-8093

Email orders to: sales@xsoptix.com
 Fax orders to: 800-878-7282

At a Glance

Automatic PID Calculation
0.004°C Stability
28W to 960W of TEC Power
Built-in Fan Controller

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Power to spare

With up to 960W 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

All 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.

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.