

TEC Temperature Controller with Power Supply Standard Resolution 0.1DegC

The TecThermo 1575 line of products is a series of compact high power TEC Temperature controllers. Features include ramp-soak multi step profiles, computer control and logging.

All units of **1575 Series** are PC compatible via RS232 and have flexible specifications, a growing list of accessories and allow for easy customization. Custom solutions are available.

The Firmware is flash upgradeable.

Models are available for **120W** (12V/10A), **150W** (15V/10A), **225W** (15V/15A), **240W** (24V/10A). Custom units can be built for up to **700W** (28V/25A)



HARDWARE

Input Power: AC Line Voltage 120V/240V

Temperature Range: -40C to +150C

Output Power to Control the Load: Pulse Width Modulated (PWM)

Load Type: Peltier Thermoelectric Modules; Resistive Heaters; Valves - any load that can be controlled with VDC PWM.

Displayability and Settability: 0.1 **End Point Stability:** +/-0.05 max

Basic Control Algorithm: Proportional/Integral/Derivative (PID)

End User Calibration: Single-point by means of an Offset

Alarms: Fixed Alarm Limits; Alarm Latching; Thermal Cutoff;

Sensor: 15KOhm sensor (-20 to 100C); 10KOhm sensor (-40 to 85C); 5Kohm sensor (0 to 150C)

Dimensions: w/ power supply - 3.1" x 8.1" x 10" - Approx. 8cm x 21cm x 26cm

If you are interested in a controller or are not sure about you needs, please contact us about your application. Let us help you find the right solution for your needs.

SOFTWARE

Control from Front Panel: Set and Tune; Alarms; Ramp & Soak Profiles (Recipes)

Control from a PC Computer: Through LabView Utility

Pricing

Starting from \$1999 (Model 1575/120W) - Cold Plates, TEC's and Sensors are sold separately.

Contact

TecThermo
2275 Sharon Rd #101
Menlo Park, CA 94025
Phone (650) 520 8505
eFax (425) 988 0735
sales@tecthermo.com
www.tecthermo.com