

CLWTC-1000TM

AUTOMATIC CONTROLLER FOR THE CLWT-067™ CLOSED LOOP, BENCHTOP WIND TUNNEL

Custom built for the CLWT-067[™] closed loop wind tunnel, the CLWTC-1000[™] is designed to automatically control the air flow and temperature through the test chamber. The controller is operated with a Windows PC (not included) to manage and measure air speed and air temperature, and to obtain continuous data on the devices under test.

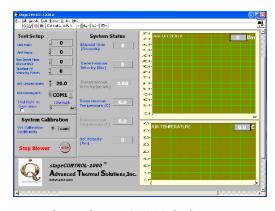
The CLWTC-1000[™] controller features easy to use StageControl 1000 [™] software, a version of the proven software used with other ATS wind tunnel controllers. The controller



provides the PC with a functioning Data Center for viewing information and monitoring events. The user can set a range of velocities at different temperatures from the software to run the wind tunnel automatically. The CLWTC-1000™ also has manual controls to raise and lower the air temperature, in addition to changing temperature via the PC.

It is highly recommended that users of the CLWT-067™ utilize the CLWTC-1000™ Closed Loop Wind Tunnel Controller as it automates the control of temperature and velocity automatic and minimizes the chances for errors using multiple and/or less capable controlling devices.

The CLWTC-1000's interface is compatible with any Windows PC.



StageControl 1000 Software

OVERALL DIMENSIONS (L X W X H)
34.3 cm x 25.4 cm x 17.8 cm
(13.5" x 10" x 7")

MATERIALS
SHEET METAL

WEIGHT
4.5 kg (10 lbs.)

For further technical information, please contact Advanced Thermal Solutions, Inc. at **1-781-769-2800** or **www.qats.com**

FEATURES:

» Data Center

View data and monitor events at the data center

>> Temperature Control

Precisely controls wind tunnel temperatures up to 85°C

>> Velocity Control

Controls the blower RPM and allows changes in air flow rates

APPLICATIONS:

» High Temperature Testing

Users can evaluate the effects of elevated temperatures on component and PCB response and reliability

» Heat Sink Characterization

Characterize a variety of heat sink sizes for low speed and forced convection cooling

Sensor Calibration

Precision temperature and velocity controls allow accurate calibration of sensors

» Component Testing

An ideal test vehicle for individual or multiple component testing

» Multiple PCB Testing

Test actual or simulated PCBs for thermal and flow distribution

