ATS ADVANCED THERMAL SOLUTIONS, INC.
Innovations in Thermal Management®
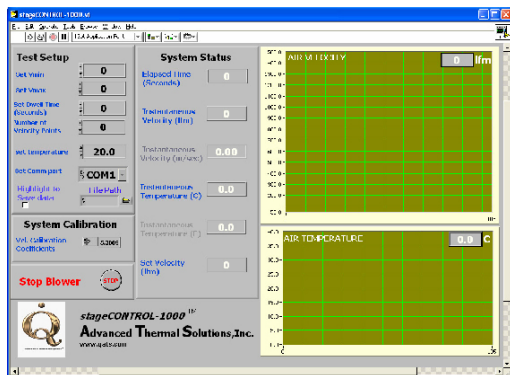
CLWTC-1000™

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

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

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**

RoHS COMPLIANT

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advanced Thermal Solutions](#):

  [CLWTC-1000](#)