## **ATS-605** THERMOSTREAM<sup>®</sup>

### DATASHEET AND SPECIFICATIONS

# -20° to +225°C

Designed for **60Hz operation only**, this Advanced Temperature Source is for fast and precise thermal conditioning of components, parts, hybrids, modules, subassemblies, and printed circuit boards. Capable of ultra-low temperatures without the use of Liquid Nitrogen  $(LN_2)$  or Liquid Carbon Dioxide  $(LCO_2)$ .

#### **PERFORMANCE:**

**Temperature Range\*** -20 to +225°C No LN, or LCO, Required

System Airflow Output\* 4 to 10 scfm (1.9 to 4.7 l/s) Continuous

\* under nominal operating conditions -20°C temperature achieved at 4scfm

#### **FEATURES:**

- customizable and savable test setups
- Program & Datalog Storage
- User Defined Temperature Limits

#### **SYSTEM OPTIONS:**

- Benchmount Stand Assembly Attaches the Thermal Wand Stand Assembly directly to a bench top. Can be mounted up to 30.5cm (12 inches) from controller chassis.
- Pneumatic Wand Lift Assembly Automates the raising and lowering of the Thermal Wand for the loading and unloading of the DUT.

#### **APPLICATION OPTIONS:**

Thermal Cap 3.9 or 5.5 inch ID Thermal Cap

#### **TEMPERATURE CONTROL:**

**Temperature Display & Resolution** +/- 0.1°C

**Temperature Accuracy** 1.0°C (when calibrated against NIST standard)

**DUT Temperature Control** proprietary control algorithm enables DUT temperature to be directly controlled

**DUT Sensor Ports** Thermocouples (type T & K)

- Local & Remote Operations
- ► LabView<sup>™</sup> drivers
- ▶ IEEE-488, RS232 ports

#### Thermal Stand Assembly

Expanding, locking, stand assembly for added stability and hands-free operation of the Thermal Wand. Rotates 340° around the controller cabinet for positioning the wand directly over the DUT.

**OPERATOR SCREEN** ROGRAM OPERATION \$







**OPTIONAL THERMAL STAND** 

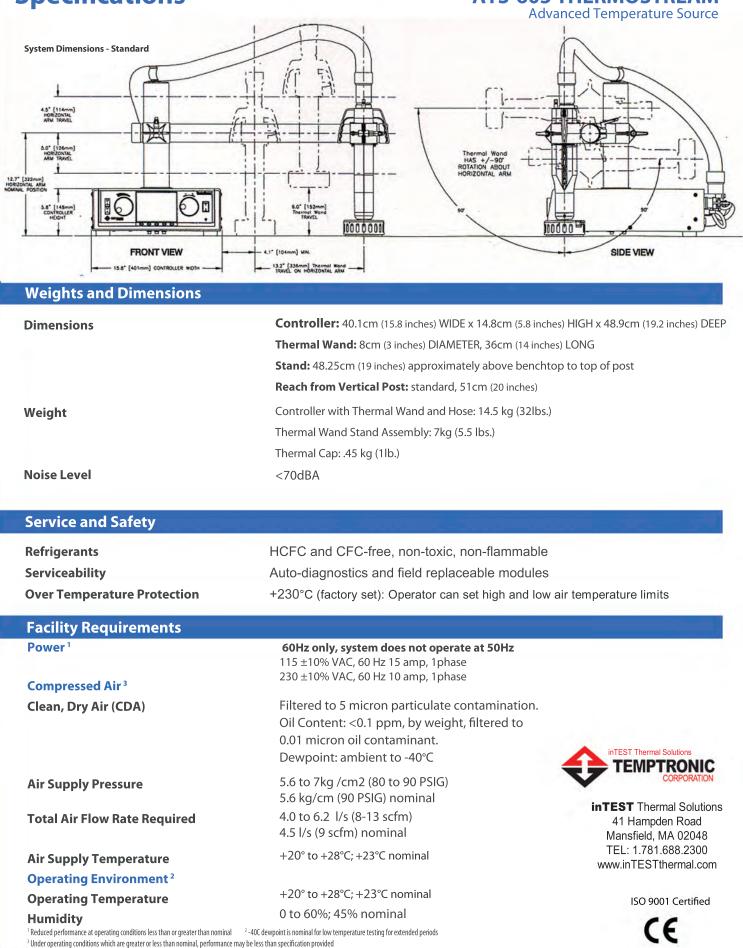






## **Specifications**

### ATS-605 THERMOSTREAM





part number SL10910B