ATS-615 THERMOSTREAM®

DATASHEET AND SPECIFICATIONS



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 (LN₂) or Liquid Carbon Dioxide (LCO₂).

PERFORMANCE:

Temperature Range* -45 to +225°C No LN, or LCO, Required

Transition Rate* -40 to +125°C, <12 seconds +125 to -40°C, <40 seconds

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

*Under nominal operating conditions. Transition rates achieved with 20amp system, 10scfm

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

FEATURES:

Frost Free Feature dry air purge for tester interface, prevents condensation: 0.5 to 3scfm (0.25 to 1.5 l/s)

► ECO Friendly Feature Heat Only Mode

reduces power usage when cold temperatures are not used

Fully Adjustable Thermal Head

APPLICATION OPTIONS:

► Thermal Cap

5.5 inch ID Glass Thermal Cap to enclose your test subject

High Performance Air Dryer

(optional) a 20scfm air dryer for drying supply air to <-70°C dewpoint, refer to air dryer data sheet (SL10690) for technical specifications

- Local & Remote Operations
- ► LabView[™] drivers
- ▶ IEEE-488, RS232 ports
- customizable and savable test setups
- Program & Datalog Storage
- User Defined Temperature Limits

System Cart

(optional) a castered, heavy-duty, steel cart for portability and easy mounting of thermal head and operator control module

Benchmount

(optional) conveniently clamps the thermal head to a benchtop or workstation





PROGRAM SCREEN

0.3 RIP*C

DUT T

Flou Bucts

CYCLE

ESC

.4

0

MANUAL OPERATION

AMBIENT 25.0

125.0

-60.0

HOT

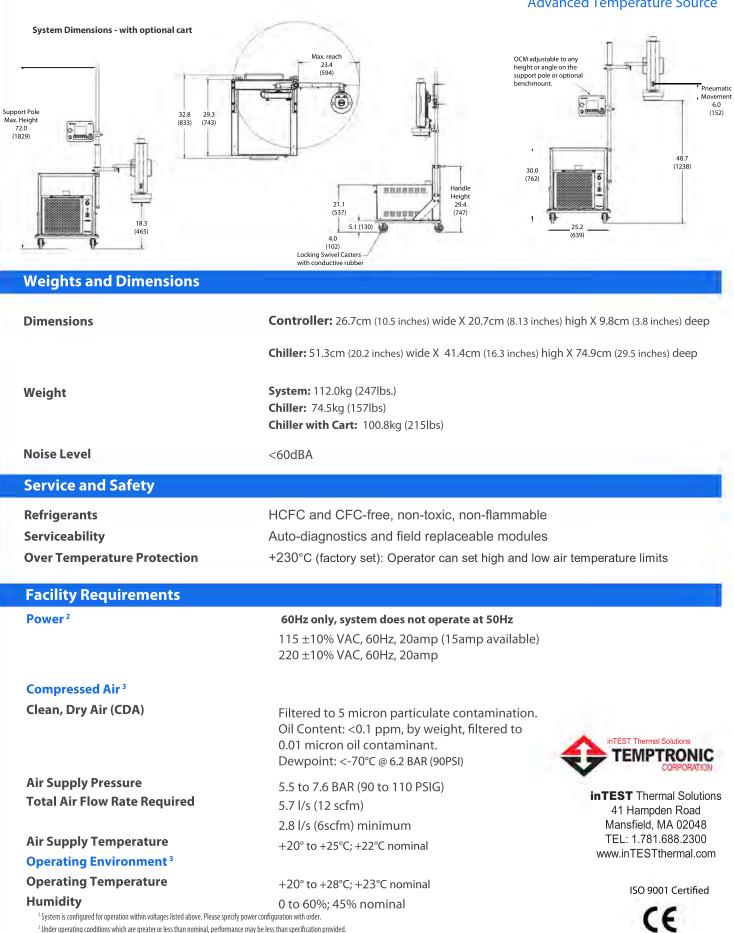
COLD

OPERATOR SCREEN

Specifications

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Advanced Temperature Source



www.inTESTthermal.com

part number SL10920A