ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

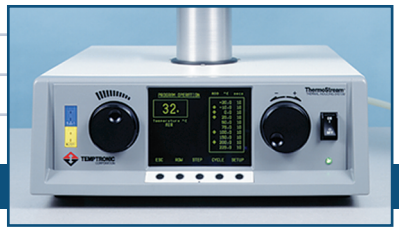
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Temptronic TP04100A-1* at our website: ***Click HERE***

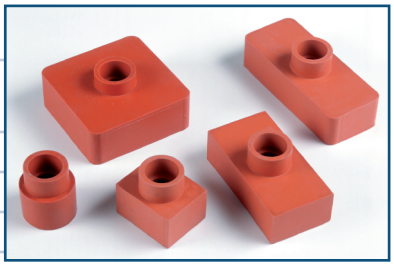
TP04100A

Temperature Range[1]	-20° to +225°C
Temperature Display and Resolution	0.1°C
Temperature Accuracy	±1°C (When calibrated against NIST Transfer Standard)



Facilities Preparation

Power Requirements[1]	115V AC ±10%, 50 or 60 Hz, 1 ø, 15 amp 230V AC ±10%, 50 or 60 Hz, 1 ø, 10 amp
Compressed Air Supply Pressure[2]	5.6 to 7 kg /cm² (80 to 90 PSIG), 5.6 kg/cm² (80 PSIG) nominal
Supply Airflow at Nominal Supply Pressure[2]	4 to 5 liters/second (8-10 scfm) 4.5 l/s (9 scfm) nominal
Dewpoint[3]	ambient to -40°C
Air Supply Temperature	+20° to +28°C (+22°C nominal[1])
Operating Temperature (Ambient)	+20° to +28°C (+22°C nominal[1])
Humidity	0 to 60% (45% nominal[1])
Noise Level	≤ 70 dBA
Power Connection	Standard male IEC320 power connector socket for attachment of IEC320 power cord (meets IEC requirements). Power cord (2.4 meters in length) included.



[1]Reduced performance may be encountered at operating conditions less than or greater than nominal.
[2]Requires clean, dry air supply. *[3]-40°C dewpoint is nominal for low temperature testing for extended periods.*

Dimensions and Weight

Dimensions:	Controller: 40.1 cm (15.8 inches) wide x 14.8 cm (5.8 inches) high x 48.9 cm (19.2 inches) deep
Thermal Wand:	8 cm (3 inches) in diameter x 36 cm (14 inches) long
Stand:	48.25 cm (19 inches) approximately above tabletop to top of post Reach from vertical post: Standard: 51 cm (20 inches)
Weight:	Controller with Thermal Wand and Hose ..... 14.5 kg (32 lbs) Thermal Wand Stand Assembly ..... 7 kg (15.5 lbs) Thermal Cap ..... .45 kg (1 lb)

Options and Accessories

Thermal Wand Stand Assembly	Expanding, locking stand assembly rotates 340° about the controller cabinet for positioning the Thermal Wand directly over the DUT.
Benchmount Stand Assembly	Attaches the Thermal Wand Stand Assembly directly to a bench. Can be mounted up to 30.5 cm (12 inches) from controller chassis.
Thermal Cap	Transparent single wall glass cap of approximately 9.9 cm (3.9 inches) ID (Internal Diameter); includes metal guard.
Shroud Kit	Shroud attaches to thermal wand for coupling to devices. Kit contains a variety of sizes and shapes (See price list). Available in conductive and non-conductive material.
Insulation Kit	Non-conductive silicone foam rubber sheets. Three sheets: (12" x 12" x .125"), (12" x 12" x .25"), (12" x 12" x .5")
Custom Thermal Test Enclosures and ThermoFixture®	Frost-free thermal enclosures for testing ICs, hybrids, modules and small subassemblies precise temperature in a moisture-free thermal environment. Available in standard and custom configurations. ThermoFixture can include ATE interface.
Pneumatic Wand Lift Assembly	Automates the raising and lowering of the Thermal Wand for the loading and unloading of the DUT.

Model TP04100A ThermoStream® System Specifications

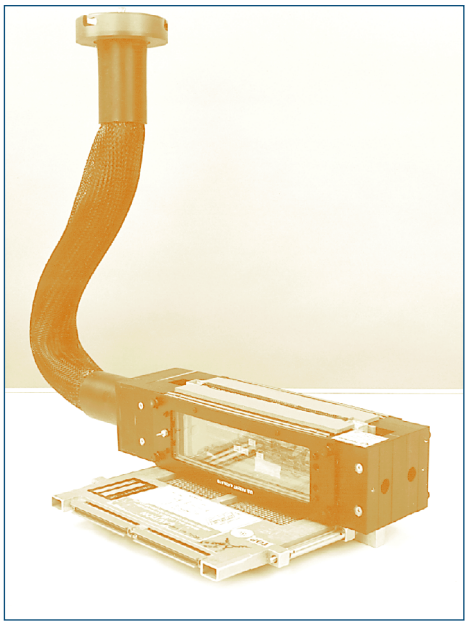
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Options and Accessories

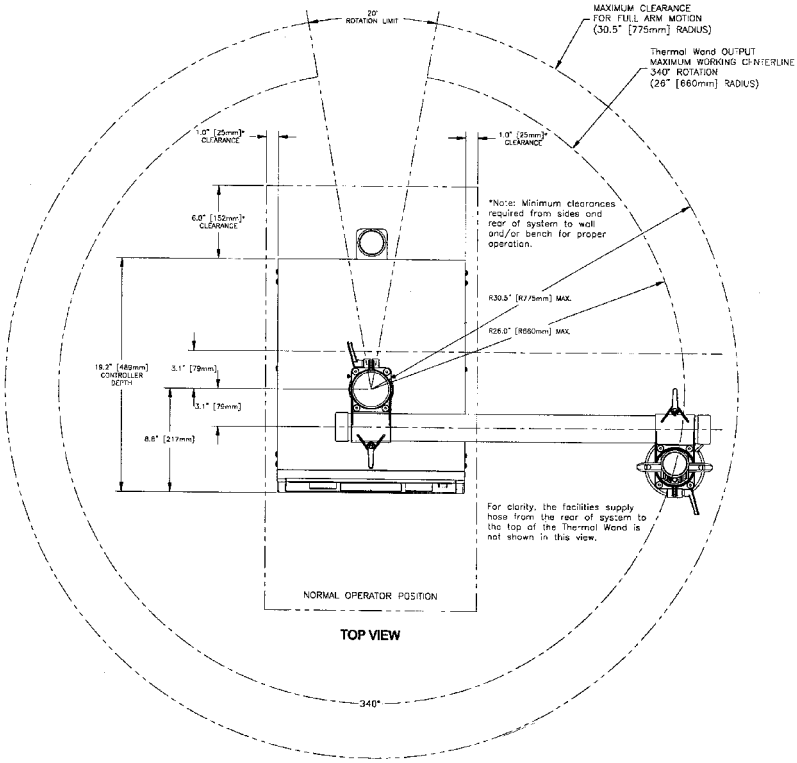
The Thermal Wand may be operated in-hand or secured in the optional **Thermal Wand Stand Assembly** for added stability and hands-free operation. Mounted directly to the TP04100A controller cabinet, the Stand Assembly rotates over 340°, and expands and locks for stable, proper coupling of the Thermal Wand to the DUT. The optional Benchmount Stand Assembly attaches to the bench to hold the Thermal Wand Stand Assembly. The Thermal Wand may then be used while secured in the stand for stability during test while located conveniently at the bench.

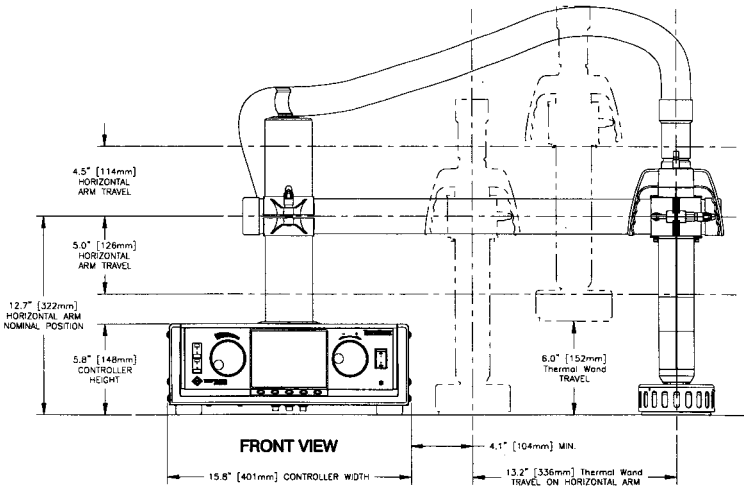
To protect from moisture condensation and frost at the DUT site, the optional single-wall glass **Thermal Cap** may be attached to the Thermal Wand with the shrouds. The Thermal Cap is approximately 9.9 cm (3.9 inches) ID and includes a metal guard. Additional conductive and non-conductive sheets and shrouds in various sizes and shapes are also optional.

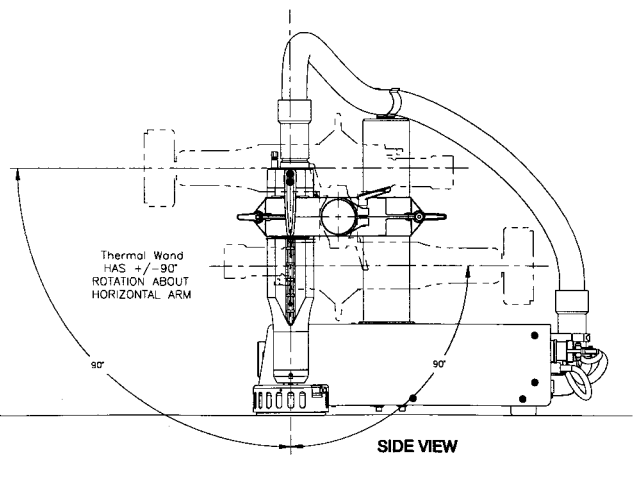
For frost-free thermal testing of ICs, hybrids, modules and small subassemblies in a precisely controlled thermal environment, **ThermoFixture®** and **Custom Thermal Test Enclosures** are available. ThermoFixture enclosures include the complete ATE tester interface and DUT thermal control for moisture-free testing at low temperatures even over longer test periods.



Custom Thermal Test Enclosure







TEMPTRONIC
an inTEST Company

4 Commercial Street
Sharon, MA 02067 USA
Tel: (781) 688-2300
Fax: (781) 688-2301
www.temptronic.com

ISO 9001-2000 Certified

These specifications are valid for the standard product and are subject to change without notice. Applications requiring modification of electrical, thermal or mechanical characteristics should be discussed with the factory for possible accommodation at additional cost. Printed in U.S.A. ThermoStream® and ThermoFixture® are registered trademarks of Temptronic Corporation. Windows®, Windows 95® and Windows NT® are registered trademarks of Microsoft Corporation®. LABVIEW® is a registered trademark of National Instruments, Inc.

3/2005 Part No. SL10260R/C

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP