

Max TC G4

- ✓ High-Power Temperature Forcing System
- ✓ High cooling power 90W@-40°C
- ✓ From -70°C to +175°C / +200°C

MaxTC Actuators: (Optional)



180 Angle head



Right angle head

MaxTC G4 is the most cost effective system in the market due to its low cost, and high performance

[UPGRADE Available](#)



New G4

MaxTC Thermal Forcing System stimulates DUT to the desired temperature by direct contact/conduction between a thermal head's plunger and the DUT. Soldered down or socketed DUT's are accessed through a selection of interfaces such as adapter plates, boom stands, vacuum and pneumatic systems.

Powerful stand-alone Thermal control unit, Features:

- Greatest cooling power 90W@-40°C
- Extended temperature range enable to reach easily -40°C or less at Tj
- Fastest time to temperature ratio
- Very short stabilize soak time
- Excellent temp. stability 0.5°C
- Operated by a smart controller which is accessed through a 7" color touch-screen with extensive menu
- Can be remotely controlled via an Ethernet

MaxTC is a stand-alone, plug and play Unit, requires only:

- 220-240VAC, 10A, 50Hz/60Hz, 1 phase wall outlet
- Clean dry air or nitrogen for condensation free operation during cold testing

MaxTC System suits your device test at:

- Your test bench
- ATE in your lab. & can be seamlessly integrated in production with handlers and ATE's
- MaxTC can also be used to test multi-site DUT's
- Also as a thermal chuck with probe station

MaxTC with 'Clip-On' & Z axis integrated :

- Robust and small footprint
- Setup is very fast and convenient using the clip connects
- Precise and consistent force, contact and thermal conductivity
- Touch screen for accurate actuating force control in Kgf, (can be remote controlled)
- Fast and simple to attach and detach the thermal head using the clip connect
- Adaptable for variety of soldered and socketed devices (2mm to 45mm)
- Compressed air supply ONLY is required. (80PSI maximum, 4mm air pipe hose)
- Ideal for bench testing ATE and productive test engineering

System General

Temperature Range	-70°C to +175/200°C
Temperature Accuracy	±0.5°C
Typical Transition Rates	25°C to -40°C in ~<2min 125°C to 25°C in ~<2min
Temperature Sensor	Tcase PT100 Thermistor K-type thermocouple Thermal-diode through ethernet port Thermal-diode through analog port Ethernet (TCP/IP)
System Indicators and Failsafes	Thermal head over-temperature fan operation, cooling unit operation
DUT Pressure Force	2 - 100 Kg/Force
DUT Dimensions	≥ 2 x 2 mm
DB Rating	55 dBA
MTBF	70,000 hr

Mechanical Dimensions

System Enclosure mm / inch	L) 610mm x (W) 505mm x (H) 365mm (L) 21.8" x (W) 17.7" x (H) 11.8"
System Weight	52 Kg
Thermal Head (mm)	80mm diameter
Thermal Head Hose	2 meter (6.5ft) standard

System Requirements

Electrical	220/230/240 VAC ±10% 50/60 Hz, single phase, 10A max.
Purge	0.2-0.6[MPa] dry air/ dry Nitrogen
Ambient Temperature	5°C to 35°C (40°F to 95°F)
Ambient Humidity	20% to 95% RH

Product features

- Condensation FREE at cold test
- Maintenance FREE system
- Fully programmable with MATLAB, Lab VIEW, C++, VB, Lynux, Python and others
- Cost effective due to low cost and high performance
- Vibration FREE contact
- Magnetic field FREE contact
- PID overshooting control
- Stand-alone plug and play system
- No external chiller or compressed air is required
- Software controlled transition rates
- Suitable for testing any socketed or soldered devices
- Environmentally friendly operation
- ESD Safe product
- Min and Max temperature safety lock
- Can be seamlessly integrated with handlers and ATE.

