

MaxTC Plus - The Ultimate Power Thermal Solution

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HIGH POWER TEMPERATURE FORCING SYSTEM for thermal cycling of DUT from -70°C to +200°C

The MaxTC *Plus* is a powerful thermal control system, which features:

- ✓ Greatest cooling power 60W@-50°C
- ✓ Extended temperature range enable to reach easily -40°C or less at T_j
- ✓ Fastest time to temperature ratio
- ✓ Very short stabilize soak time
- ✓ Excellent temp. stability

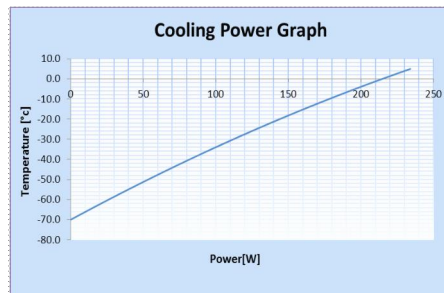
MaxTC *Plus* is the most cost effective system in the market due to its low cost, high performance, and versatile features.

MaxTC *Plus* temperature forcing system stimulates DUT to the desired temperature from -70°C to 200°C by direct contact/conduction between a thermal head's plunger and the DUT. Soldered down or socketed DUTs are accessed through a selection of interfaces such as adapter plates, boom stands, vacuum and pneumatic systems. Max TC *Plus* can read the junction temperature and control it dynamically.

MaxTC *Plus* is a stand-alone, plug and play system which requires only 208VAC@60HZ;20A wall outlet and clean dry air or nitrogen for condensation free operation during cold testing.

The MaxTC *Plus* offers an innovative and reliable thermal testing solution that

allows you to perform a device, test you need it - at your test bench, in your board, and module testing right where production facility, or in your lab. The system can be seamlessly integrated in production with handlers and ATEs. MaxTC *Plus* can also be used to test multi-site DUTs, or as a thermal chuck with probe station.



MaxTC *Plus* is a self-contained and maintenance free system designed to make your thermal testing as simple and cost effective as possible. MaxTC *Plus* is fully programmable, cooling and heating rates are software controlled in order to eliminate thermal shock. The thermal head is vibration and magnetic field FREE.

MaxTC *Plus* features a user friendly easy-to-use 7" colored PLC touch screen, with extensive selection menu.

Features

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- **Temperature range:** -70°C to 200°C
- **Time to temperature (at T_{case}):** 25°C to -40°C in < 1 min; 25°C to 125°C in < 1 min
- **Temperature accuracy:** ±0.5°C
- **Temperature stability:** ±0.2°C
- **Condensation FREE at cold test**
- **Maintenance FREE system**
- **Fully programmable with Lab VIEW, C++, MATLAB, VB, TICKLE, Perl, Lynux, Python etc.**
- **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 required**
- **Software controlled transition rates up to 100°C/min**
- **Suitable for testing socketed and soldered devices**
- **Environmentally friendly operation**
- **ESD safe product**
- **Min and Max temperature safety lock**
- **Can be seamlessly integrated with handlers and ATE testers**

