

# MaxTC (G4)

## Universal Power Thermal Control Unit



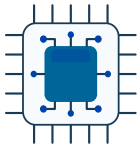
**-70°C to 175°C/200°C**



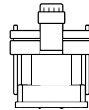
**-40°C @ 90W (Tc)**



**Axial / RH Head**



MD Thermal Control Units offer high efficiency and flexibility, supporting various package types and device sizes, whether socketed or soldered. Using advanced technology, they provide precise and consistent temperature control through direct contact with the thermal head's tip.



The pneumatically driven thermal head ensures stable temperature regulation, excellent power handling, and precise control, making the units ideal for high-power devices, including AI - HPC & other extreme high-power devices.

### Axial / RH Thermal Head

Precise contact area for all type of DUT's

Customized Plunger  
From 2mm up to 80mm

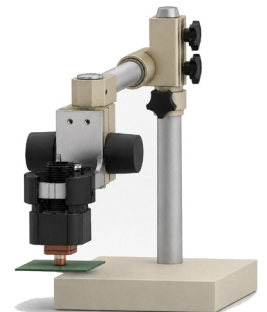
### Clip-on Actuator

Pneumatic actuation ensures stable Socket pressure and precise control

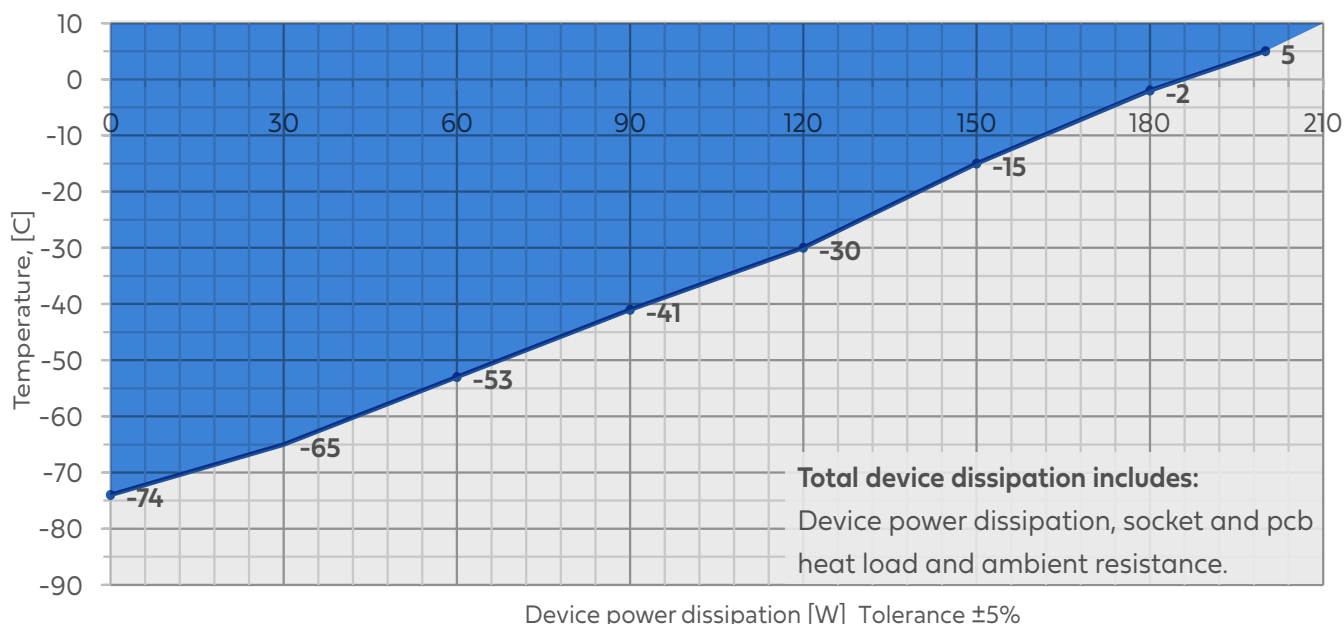


### Boom Stand / Toggle Clamp

Soldered DUT's  
Simple setup



Case temp vs total device dissipation



## OPERATING

|                      |                               |
|----------------------|-------------------------------|
| Cooling Power        | -40°C @ 90W (Tc)              |
| Temperature range    | -70°C to + 175°C/200°C        |
| Temperature accuracy | $\pm 0.2^\circ\text{C}$       |
| Transition rates     | Up to 75°C/min                |
| Sensor types         | PT100/ TCK/ DUT Thermal Diode |
| Actuation type       | Pneumatic clip-on             |
| Actuation force      | 30 - 80 kgf                   |



## FACILITIES

|                 |                                   |
|-----------------|-----------------------------------|
| Power           | 200V-240V AC, 50/60Hz, 16A        |
| CDA             | <0.5 cfm @ 90 PSI -70°C dew point |
| Operating temp. | -10°C to 30°C                     |
| Plug            | NEMA L6-30/20                     |



## DATA COMMUNICATION

|              |               |
|--------------|---------------|
| Ethernet     | TCP/IP, RJ-45 |
| Touch screen | 7" LCD        |



## MECHANICAL DATA

|                     |                        |
|---------------------|------------------------|
| System size (WxHxL) | 505 mm x 365mm x 610mm |
| System weight       | 65 Kg                  |
| Ctrl to TH distance | ~2 m (6.5 ft)          |



## FEATURES

- Temperature range -70°C to 175°C
- High cooling power
- Temperature stability 0.2°C
- Self-contained liquid free operation
- Quiet and portable
- Adapt to most packages/sockets
- Thermal Feedback loop programmable
- Maintenance FREE
- Remotely controlled via ethernet



## AVAILABLE OPTIONS

- Clip-on actuator
- Manual actuator
- Toggle clamp
- Boom stand
- Customized fixtures
- Enclosures



## APPLICATIONS

- ATE, SLT and bench
- High reliability testing
- OEM integrations
- LN2/thermal stream/chiller replacement

