

FlexTC

Low Power Compact Thermal Control Unit



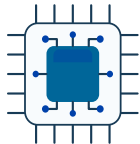
-50°C to 155°C



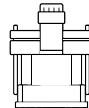
-32°C @ 20W (Tc)



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 45mm

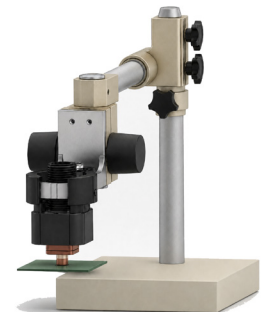
Clip-on Actuator

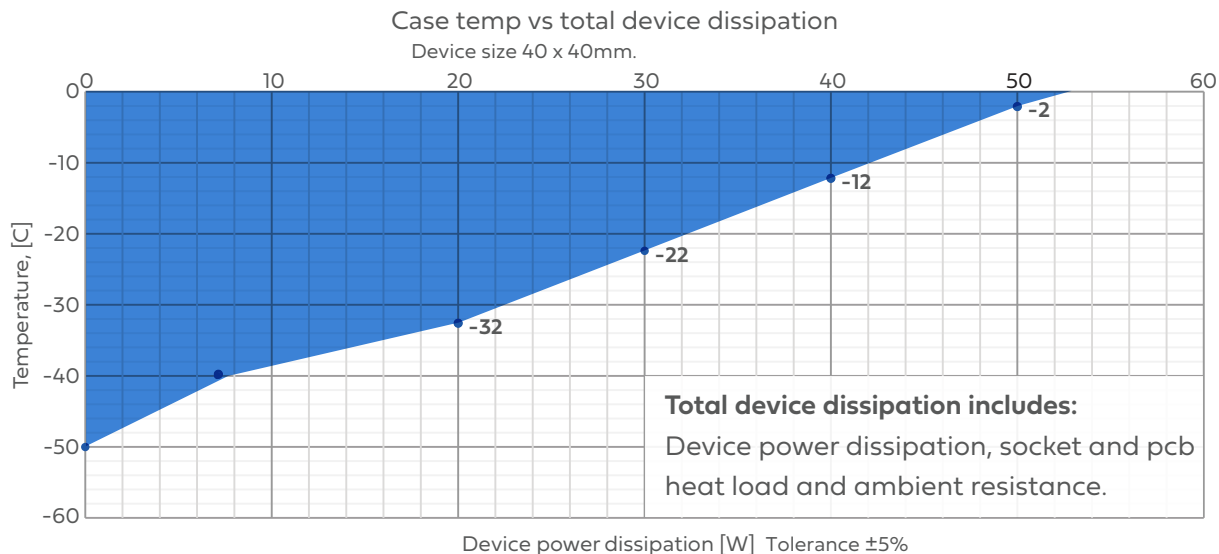
Pneumatic actuation ensures stable Socket pressure and precise control



Boom Stand / Toggle Clamp

Soldered DUT's
Simple setup





OPERATING

Cooling Power	-32°C @ 20W (Tc)
Temperature range	-50°C to + 155°C
Temperature accuracy	$\pm 0.2^\circ\text{C}$
Transition rates	Up to 50°C/min
Sensor types	PT100/ TCK
Actuation type	Pneumatic clip-on
Actuation force	30 - 80 kgf



FACILITIES

Power	100V-240V AC, 50/60Hz, 6A
CDA	<0.5 cfm @ 90 PSI -55°C dew point
Operating temp.	-10°C to 30°C
Plug	C14



DATA COMMUNICATION

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



MECHANICAL DATA

System size (WxHxL)	320 mm x 220mm x 420mm
System weight	22 Kg
Ctrl to TH distance	~2 m (6.5ft)



FEATURES

- Temperature range -50°C to 155°C
- Low 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

