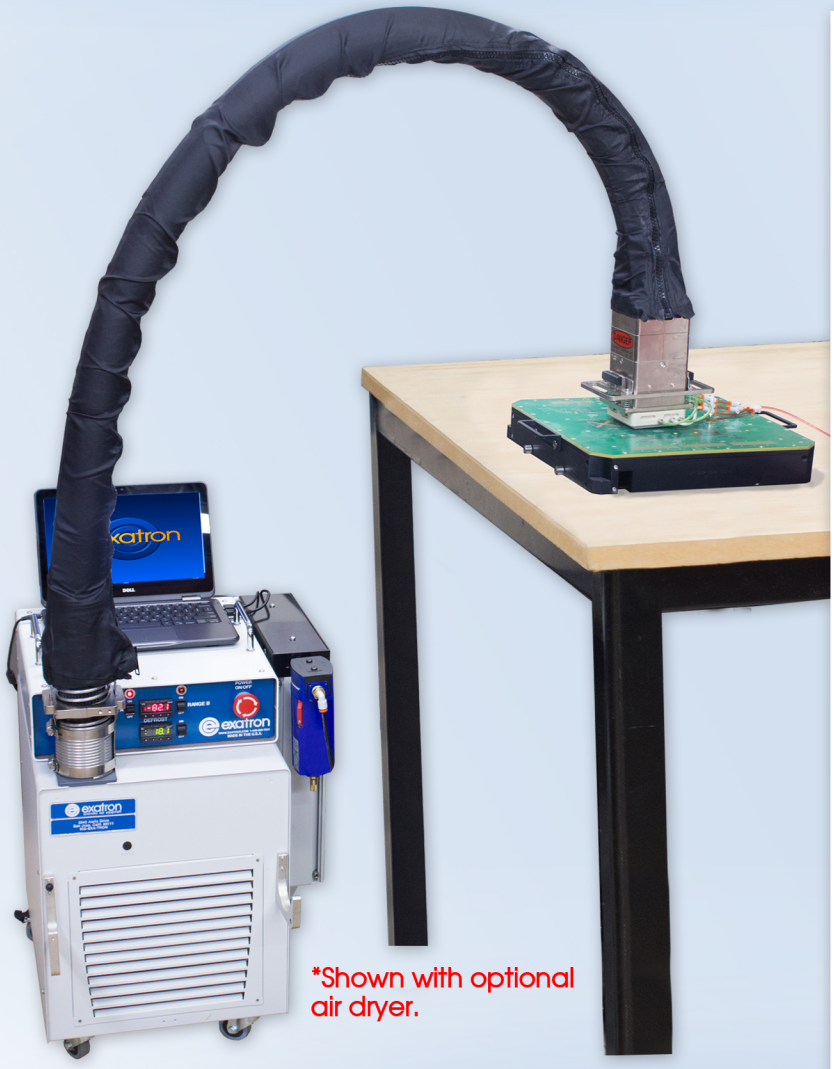
exatron PET-6 TEST STATION

MANUAL BENCHTOP THERMAL TEST SYSTEM



*Shown with optional air dryer.

- Direct DUT contact, thermal conduction heating and cooling.
- -80°C (minimum) to +175°C work range with +/- 0.1°C control.
- Zero frost operation. Built-in purge air and socket thermal shielding
- Cooling power: 60W at -55°C.
- No thermoelectric modules (Petiers)
- No forced air. No ESD concerns.
- No liquids required.
- No 3 phase power.
- No bench space required. Mounts on floor under most benches.
- No mechanical vibrations.
- No tools required. Thermal head snaps on/off nearly any test socket with ease.
- 3.5″ X 3.5″ thermal head footprint.
- Blazing fast soak times and universal pusher tooling when paired with Exatron Copperhead® Thermal Test Sockets. (Contact Exatron for details.)
- Windows 10 touchscreen laptop interface allows controlled temperature ramps and data log storage.
- Easy to use diagnostic features.
- Direct Ethernet/USB/RS-232 control from customer test electronics.
- Optional test handler emulator allows real time internal DUT temp feedback. TTL/RS-232/GPIB/Ethernet
- Can be integrated into Exatron pick and place handlers at a later date.

Actual recorded test temperature

exatron
2842 Alello Drive, San Jose, CA 95111
1-800-EXA-TRON 1-408-629-7600 www.exatron.com

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EFFICIENT AND EFFECTIVE

Featuring our Wide Range Thermal Head (WRTH), Exatron's proven direct contact conduction thermal test method, the PET-6 is more powerful than electronic peltier systems and more selective than forced air options, with none of the associated frost or ESD issues. The spring-loaded WRTH clips on quickly, maintains constant thermal contact, and heats or cools only the DUT and test socket, leaving surrounding components at room temperature.

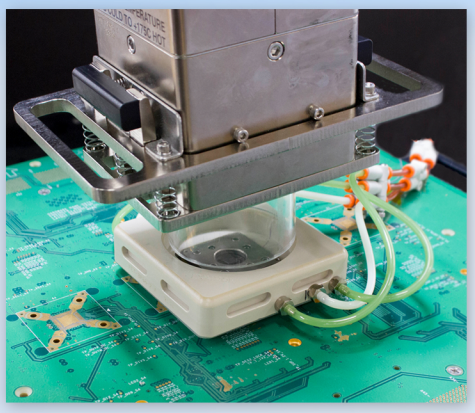
Guaranteeing zero frost during test, Exatron's complete socket purge protection features top and bottom socket gaskets and internal and external purge air jets, which can be controlled as needed via the touch screen interface.

Dimensions:

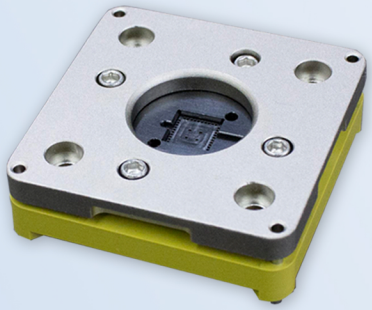
Thermal Head: 3.5" (8.9cm) W, 3.5" (8.9cm) D, 6.5" (15.2cm) H

Chiller: 14.5" (36.8cm) W, 18" (45.7cm) D, 23" (58.4cm) H
Designed to fit entirely under a standard work bench.

- Thermal head connects to chiller via 6ft (1.8m), 2.5" (6.4cm) hose.
- Meets all known ESD requirements.
- Quiet operation. 55-65 dBA.
- CE Mark
- Made in USA at Exatron in San Jose, CA
- Contact **sales@exatron.com** for info.



Purge enclosure surrounds socket during test and prevents frost buildup



Exatron Copperhead thermal test socket

Specifications:

Temp. Range: -80°C to +175°C
+/-0.1°C temp. control
+/-0.3°C temp. accuracy with Exatron Copperhead thermal sockets.

Power: 100/120VAC, 60Hz, 1 phase, 10A
-or-
220/240VAC, 50/60Hz, 1 phase, 6A

Cooling Power: 60W at -55°C
130W at -40°C
260W at 0°C

Frost Control: Internal/external purge air. Test socket purge air. Built-in heater prevents thermal head sweating. -100°F air dryer optional. All software controlled.

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