



# WIDE RANGE THERMAL HEAD (WRTH)

## POWERFUL HOT/COLD COMBINATION TEST HEAD



- -55° C to +155° C minimum working range. (-80°C to +175°C hardware capability)
- +/- 0.5° C temperature control.
- Conduction heating.
- No fluid required.
- Thermal head makes direct contact with DUT and test socket.
- Type T thermocouple mounted in thermal head.
- Built-in top side purge air cover.
- NO FROST BUILDUP during cold testing.
- Built-in cold source.
- Built-in resistive AC heaters.
- Software-controlled temperature, soak timer, ramps, and calibration.
- Easily integrates into new and existing Exatron pick and place and rotary handlers.



2842 Alello Drive, San Jose, CA 95111  
1-800-EXA-TRON 1-408-629-7600 [www.exatron.com](http://www.exatron.com)

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## POWERFUL HOT/COLD COMBINATION TEST HEAD

### UNMATCHED RANGE

With a minimum working range of  $-55^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$  ( $-80^{\circ}\text{C}$  to  $+175^{\circ}\text{C}$  hardware capability), the WRTH offers unmatched temperature range and  $\pm 0.5^{\circ}\text{C}$  control.

Multiple controlled temperature ramping and auto temperature calibration software options are available.

### NO FROST BUILDUP

Built-in top side purge cover eliminates frost buildup on WRTH tooling. Allows simplified design of DUT test socket purge covers.

### EFFICIENT AND ACCURATE

Coolant-free operation eliminates the risk of leaks. Direct contact to DUT when testing ensures accurate, consistent temperatures.

### CONVENIENT AND RELIABLE

The WRTH includes one size of thermal head tooling, typically a simple copper block, designed to a specific package size and test socket. Ask Exatron about our Universal Pusher Tooling.

Customers are welcome to create their own custom WRTH tooling. We will provide drawings as needed.

Components are designed and manufactured in-house at our machine shop in San Jose, CA.

Exatron offers full support for the lifetime of the product.



### SPECIFICATIONS:

<b>POWER:</b>	110/120 VAC or 220/240 VAC, 50/60 HZ (Specify at time of order)
<b>SOCKET PRESSURE:</b>	0 to 50/100/150 PSI (Specify at time of order) Pressure may be manually adjusted or CPU-controlled. Contact Exatron for details.
<b>PURGE AIR:</b>	Requires $-100^{\circ}\text{F}$ or less dew point purge air source. (Sold separately)



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