



# WIDE RANGE THERMAL HEAD (WRTH)

POWERFUL NEW HOT/COLD COMBINATION TEST HEAD



Actual Recorded  
Test Temperature

- -55° C to +155° C minimum range.
- +/- 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 NEW HOT/COLD COMBINATION TEST HEAD

### UNMATCHED RANGE

With a minimum range of  $-55^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$ , 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.

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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