

**MASTER**  
HEAT TOOLS FOR INDUSTRY™



# Master ProHeat STC®

SURFACE TEMPERATURE CONTROL HEAT GUN

MasterAppliance.com ■ 262.633.7791



# ProHeat STC

**The Master ProHeat STC Series heat guns are the world's first heat guns to have the capability to sense, display and control actual work surface temperatures.**

**Save time and money avoiding costly re-work while your Proheat STC Series heat gun enables you to heat your work surface more accurately than ever before!**

## Benefits

- Perfect for process control applications
- Know your work surface temperature at all times
- Fine tune and lock-in temperature and airflow settings for repeatability
- Easy to reach and maintain defined target temperatures
- Speeds up the process by allowing operator to work in the upper limits of the cure zone
- Avoid overheating or burning heat-sensitive materials

## Common Applications

- Regulate and maintain surface or substrate temperatures
- Cure paint, epoxy, glue, adhesive, potting compounds and powder coatings
- Reticulate adhesives over honeycomb (phenolic coated nomex or aluminum), open weave pattern or perforated aluminum as used inside airplane wings
- Heat tacking: warm composite and adhesive materials, making them "tacky" to assist with the shaping, forming and layup of composite materials
- Splicing core-fill using foaming adhesives
- Install vehicle, building, wall and furniture wraps
- Post heat vinyl wraps
- Remove surface mount and through-hole components from circuit boards without overheating adjacent components
- Pre-heat decals, surfaces and substrates
- Remove bubbles from decals
- Remove decals
- Cure paint and pinstripe
- Preheat, bend and form plastic
- Reactivate dry adhesives
- Heat shrink packaging materials without over-heating or going over the temperature constraints of the film
- Many other temperature-sensitive applications



**1 BUILT-IN SURFACE TEMPERATURE SENSOR & LCD DISPLAY**

Senses displays and controls surface temperature. Provides real-time display of both target and surface temperatures. Know your surface temperature at all times.

**2 SPEED UP THE HEATING PROCESS**

High temperature and airflow ratings get the job done fast. Knowing the surface temperature enables you to work in the upper limits of the cure zone. Allows you to bring surfaces up to target temperature fast.

**3 LTS™ LASER TARGETING SYSTEM**

Unique and innovative laser targeting system provides field of view for accurate surface temperature measurement with ideal operating range of 3" to 5" from the work piece.

**4 DIAL-IN VARIABLE TEMPERATURE AND AIRFLOW CONTROLS**

Easy to dial in target surface temperature and desired airflow.

**5 PROLOC™ SUPERVISOR LOCKING FEATURE**

After dialing in the temperature and airflow that is best for your application, the supervisor can lock the controls to prevent changing of temperature or airflow for repeatable process control.

**6 LED PROGRESS INDICATORS**

Green, yellow and red LED lights indicate progress in heating process. Green – proceed, Yellow – you are close and Red – you have reached target temperature.

**7 STC™ AUTOMATIC SURFACE TEMPERATURE CONTROL**

Adjusts output temperature during the heating process. More heat when you are away from the surface and less heat when you are close to the surface. Automatically regulates the heater to maintain the target surface temperature.

**8 DISPLAY TEMPERATURE IN EITHER DEGREES CELSIUS OR FAHRENHEIT**

Easy to change Celsius or Fahrenheit temperature settings.

**9 LOCKABLE MOMENTARY CONTACT SWITCH**

Tool operates only when switch is depressed. Switch can be locked into place for continuous duty applications or when tool is used in various positions.

**10 BUILT-IN HANGING LOOP**

Makes it easy to hang the tool on balancers over the production area.

**11 EASY GRIP CUSHIONED HANDLE**

Balanced, ergonomic design prevents operator fatigue.

**12 3-WIRE GROUNDED CORDSET**

Oil resistant neoprene provides flexibility and ease of use.

**13 TRADITIONAL HEAT GUN MODE**

Proloc key allows the user to turn off STC controls and use the heat gun in traditional nozzle sensing mode.

# Master ProHeat STC®

Surface Temperature Control Heat Gun



**35542**  
ProHeat STC  
Storage Case



**35337**  
ProHeat STC  
Nozzle Guard



**PH Series**  
ProHeat STC  
Heat Gun



ProLoc™ Magnetic Key  
(included)



**NOTE:**

For European shipments please specify either (A1) European or (A6) UK plug type

Master ProHeat STC Heat Gun									
Model No.	Surface Temp. Control	Nozzle Temp. Control	Air Velocity	Air Volume	Volts	Hz	Max Amps	Watts	Cord Length
PH-1600	90°–500°F	170°–1000°F	734–4000 FPM	4–16 CFM	120	60	11	1300	6 Ft
PH-1615	90°–500°F	170°–1000°F	734–4000 FPM	4–16 CFM	120	60	11	1300	16.4 Ft
PH-2600	40°–270°C	80°–540°C	213–1219 m/min	113–453 l/min	230	50/60	6.8	1564	1.83 M
PH-2615	40°–270°C	80°–540°C	213–1219 m/min	113–453 l/min	230	50/60	6.8	1564	5 M
PH-1600K	Includes PH-1600 and 35542 Storage Case								
PH-1615K	Includes PH-1615 and 35542 Storage Case								
PH-2600K	Includes PH-2600 and 35542 Storage Case								
PH-2615K	Includes PH-2615 and 35542 Storage Case								

Please visit [www.masterappliance.com](http://www.masterappliance.com) or contact Master Appliance Corp at **262-633-7791** for more information.

## Specifications

- Motor: Permanent Magnet
- **Nozzle Opening:** .88" I.D., 1.31" O.D.
- **Cordset:** 3-wire grounded
- **Dimensions:** 8.2" L x 3.0" W x 7.3" H
- Ⓢ 120V Models
- € 230V Models
- **Tool Net Weight:** 1.6 lbs.
- **Shipping Weight Tool:** 2 lbs. 10 oz.
- **Shipping Weight Kit:** 3 lbs. 14 oz.

**NOTE:** Users should independently evaluate the suitability of the product for their application.

For Master Appliance products contact:

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