



Worldwide Corporate Headquarters

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Empty rectangular box for contact information.

# European Product Catalog





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**Local and International:** 262-633-7791

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**Master Appliance Corp.**

**Designers and Manufacturers of Heat Tools for Industry**

Located near the western shores of Lake Michigan in Racine, Wisconsin, Master Appliance invented and introduced the first industrial quality heat gun to the worldwide marketplace in 1958. In 1985, we introduced North America's first butane-powered, cordless soldering iron, torch and flameless heat tool, ideal for field use. These professional quality heat tools, and others developed since, have enjoyed worldwide market success. Today our products are used in thousands of facilities, workshops and in the field for drying, welding, shrinking, soldering, desoldering, gluing and for many other common and unique applications, where heat is the need.



**Local Availability, Sales, Parts & Service**

Master Heat® Tools are sold worldwide through a network of Authorized Stocking Distributors. Trained Sales and Customer Service Representatives, located at our headquarters and throughout the world, ensure fast personal service. Contact us for the name, address and telephone number of your nearest stocking distributor or sales representative. Visit our website for up-to-date information on products, accessories, parts, warranty and repair service.



**Engineering, Design, Research and Development**

Master is continually developing innovative new heat tool products with enhanced capabilities, making it easier to work with new materials and processes used throughout industry. Our Heat Tool Specialists use state-of-the-art technology to develop innovative new heat tools, which meet the needs of our customers for professional quality heat tools.



**Manufacturing**

Master Heat Tool products are made with superior, quality materials and the finest craftsmanship. Great designs and expert assembly, in a lean, efficient manufacturing setting, assure our customers maximum product quality, performance and value.

**01 Electric Heat Guns**

1	Proheat® Quick-Touch™ Heat Gun	4
2	Proheat® Dualtemp™ Heat Gun & Kit	5
3	Proheat® Varitemp® Heat Gun & Kit	6
4	Proheat® LCD Dial-in Heat Gun & Kit	7
5	Proheat® LCD Plastic Welding Kit	8
6	Proheat® LCD Programmable Heat Gun & Kit	9
7	Proheat® STC™ Heat Gun	10
8	Proheat® STC™ Dual Mode Heat Gun	11
9	Proheat® Heat Gun Attachments & Accessories	12
10	Proheat® Heat Gun Attachment Compatibility	13

**02 Butane-Powered Soldering Irons/Heat Tools**

1	Econolron® EL-20 Kit	14
2	High Performance Ultratip® Technology	15
3	Ultratorch® UT-40Si & UT-40SiH	16
4	Ultratorch® UT-50	17
5	Ultratorch® UT-100 & UT-100-TC	18
6	Ultratorch® UT-100Si, UT-100SiK & UT-100Si-TC	19
7	Ultratorch® UT-100 & UT-100Si Ultratips® and Accessories	20
8	Ultratorch® UT-200 & UT-200Si Ultratips® and Accessories	21
9	Ultratorch® UT-200 & UT-200Si Ultratips® and Accessories	22

**03 Butane-Powered Torches**

1	Microtorch MT-11 & MT-11K	23
2	Microtorch MT-30	23
3	Microtorch MT-51 & MT-51H	24
4	Triggertorch™ MT-76 & MT-76K	25
5	Mini Triggertorch™ MT-70 & MT-70P	26

**04 Butane-Powered Glue Guns**

1	Master PortaPro® Glue Gun — GG-100	27
2	Master PortaPro® Glue Gun — GG-200	28

**05 Sealed Electrical Systems**

1	Advantages of Heat-Sealed Electrical Connectors	29
2	Proseal™ Connector Assortment Kits	30
3	Solderseal™ Connector Assortment Kits	31
4	Multiseal™ Connector Assortment Kits	32
5	Heat-Shrink Tubing Assortment Kits	33
6	Crimping Tools	34

**06 Heat Technology Applications**

1	Master Heat® Tool Applications	35
2	Master Heat® Tool Factory Warranty	35



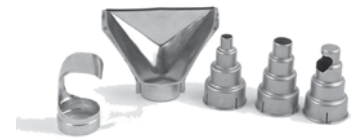
# Electric Heat Guns

## Proheat® Quick-Touch™ Heat Gun

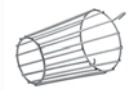
**NOTE:** For European shipments please specify either (A1) European or (A6) UK plug type



**PH Series**  
Proheat Quick-Touch  
Heat Gun



Quality attachments for  
professional applications



**35336**  
Proheat  
Nozzle Guard

### Proheat Quick-Touch Heat Gun

Model No.	Air Temp.	Air Velocity	Air Volume				
PH-2000	540°C (1000°F)	1219 m/min	4531 l/min	230V	50 Hz	6.2A	1426W

### Specifications

- **Motor:** Permanent Magnet
- **Nozzle Opening:** 22.35mm (.88" I.D., 1.31" O.D.)
- **Cordset:** 1.82m (6ft., 3-wire grounded)
- **Dimensions:** 21.6cmx7.6cmx18.5cm (8.2" L x 3.0" W x 7.3" H)
- 230V Models
- **Momentary Contact Switch**
- **Tool Net Weight:** 73kg (1.6 lbs.)
- **Shipping Weight Tool:** 1.36kg (3 lbs.)
- **Shipping Weight Kit:** 3.18 kg (7 lbs.)

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

### Quick-Touch & Dual Temperature Heat Guns

- Compact, lightweight, easy-to-use
- Balanced ergonomic design prevents operator fatigue
- Base provides built-in stand for hands-free use
- Protective hand/switch guard and hanging loop
- New Quick-Touch PH-2000 has momentary contact switch — unit shuts off when switch is released
- Use to activate adhesives, bend plastics, dry filler material, shrink tubing and more
- Make your Proheat even more versatile. See our wide variety of professional quality attachments & accessories (page 12)

# Electric Heat Guns

## Proheat® Dualtemp™ Heat Gun & Kit

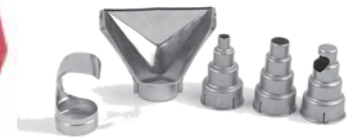
**NOTE:** For European shipments please specify either (A1) European or (A6) UK plug type



**PH Series**  
Proheat Dualtemp  
Heat Gun



**PH-2100K**  
Proheat Dual Temperature Heat Gun with rugged storage case  
and 2 attachments (35016 & 35017)



Quality attachments for  
professional applications



**35336**  
Proheat  
Nozzle Guard

### Proheat Dualtemp Heat Gun

Model No.	Air Temp	Air Velocity	Air Volume				
PH-2100	260° or 540°C (500° or 1000°F)	1219 m/min	4531 l/min	230V	50 Hz	6.2A	1426W

PH-2100K	PH-2100 Heat Gun with storage case and 2 attachments (35016 & 35017)						
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### Specifications

- **Motor:** Permanent Magnet
- **Nozzle Opening:** 22.35mm (.88" I.D., 1.31" O.D.)
- **Cordset:** 1.82m (6ft., 3-wire grounded)
- **Dimensions:** 21.6cmx7.6cmx18.5cm (8.2" L x 3.0" W x 7.3" H)
- 230V Models
- **Tool Net Weight:** 73kg (1.6 lbs.)
- **Shipping Weight Tool:** 1.36kg (3 lbs.)
- **Shipping Weight Kit:** 3.18 kg (7 lbs.)

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

### Quick-Touch & Dual Temperature Heat Guns

- Compact, lightweight, easy-to-use
- Balanced ergonomic design prevents operator fatigue
- Two heat settings 260°C or 540°C (500°F or 1000°F)
- 3 position rocker switch off, Hot 1, Hot 2
- Base provides built-in stand for hands-free use
- Protective hand/switch guard and hanging loop
- Use to activate adhesives, bend plastics, dry filler material, shrink tubing and more
- Make your Proheat even more versatile. See our wide variety of professional quality attachments & accessories (page 12)

# Electric Heat Guns

## Proheat® Varitemp® Heat Gun & Kit

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

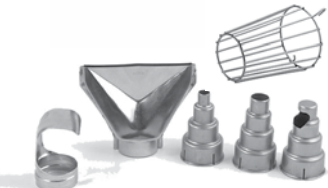


**PH-2200K**  
Proheat Varitemp Heat Gun with rugged storage case and 5 specialty attachments



**PH Series**  
Proheat Varitemp Heat Gun

Easy access variable temperature control



Quality attachments for professional applications



**PH-2200-1**  
Bench-Top Heat Shrink System

### Proheat Varitemp Heat Gun

Model No.	Air Temp.	Air Velocity	Air Volume				
<b>PH-2200</b>	50° - 540°C (130°-1000°F)	1219 m/min	113-4531 l/min	230V	50 Hz	6.2A	1426W
<b>PH-2200K</b>	PH-2200 Heat Gun with storage case and all 5 attachments (Part No. <b>35309</b> ) see page 12 for details						

**PH-2200-1** PH-2200 Heat Gun with bench stand (**35216**) and specialty connector attachment (**35292**)

### Specifications

- **Motor:** Permanent Magnet
- **Nozzle Opening:** 22.35mm (.88" I.D., 1.31" O.D.)
- **Cordset:** 1.82m (6ft., 3-wire grounded)
- **Dimensions:** 21.6cmx7.6cmx18.5cm (8.2" L x 3.0" W x 7.3" H)
- 230V Models  $\text{C} \text{€}$
- **Tool Net Weight:** 73kg (1.6 lbs.)
- **Shipping Weight Tool:** 1.36kg (3 lbs.)
- **Shipping Weight Kit:** 3.18 kg (7 lbs.)

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

### Dial-in Variable Temperature Heat Gun

- Compact, lightweight, easy-to-use
- Balanced ergonomic design prevents operator fatigue
- Variable temperature from 50° - 540°C (130° - 1000°F)
- Electronic closed loop temperature control system maintains constant temperature and protects unit from overheating
- Base provides built-in stand for hands-free use
- Protective hand/switch guard and hanging loop

- Use to heat temperature sensitive materials including specialty connectors, solder preforms, shrink tubing
- Make your Proheat even more versatile. See our wide variety of professional quality attachments & accessories (**page 12**)

# Electric Heat Guns

## Proheat® LCD Dial-in Heat Gun & Kit

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



**PH-2400K**  
Proheat LCD Dial-in Heat Gun with rugged storage case and 5 specialty attachments

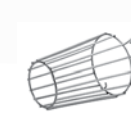


**PH Series**  
Proheat LCD Dial-in Heat Gun

Dial-in variable temperature & air flow controls



Quality attachments for professional applications



**35336**  
Proheat Nozzle Guard



**Proloc™**  
Magnetic Key

### Proheat LCD Dial-in Heat Gun

Model No.	Air Temp.	Air Velocity	Air Volume				
<b>PH-2400</b>	50° - 540°C (130° - 1000°F)	213-1219 m/min	113-4531 l/min	230V	50 Hz	6.2A	1426W
<b>PH-2400K</b>	PH-2400 Heat Gun with storage case and all 5 attachments (Part No. <b>35309</b> ) see page 12 for details						

**PH-2400K** PH-2400 Heat Gun with storage case and all 5 attachments (Part No. **35309**) see page 12 for details

### Specifications

- **Motor:** Permanent Magnet
- **Nozzle Opening:** 22.35mm (.88" I.D., 1.31" O.D.)
- **Cordset:** 1.82m (6ft., 3-wire grounded)
- **Dimensions:** 21.6cmx7.6cmx18.5cm (8.2" L x 3.0" W x 7.3" H)
- 230V Models  $\text{C} \text{€}$
- **Tool Net Weight:** 73kg (1.6 lbs.)
- **Shipping Weight Tool:** 1.36kg (3 lbs.)
- **Shipping Weight Kit:** 3.18 kg (7 lbs.)

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

### Dial-in Variable Temperature and Airflow LCD Heat Gun

- Compact, lightweight, easy-to-use
- LCD with digital display of temperature and air flow settings
- Dial-in temperatures in 10° increments from 50° - 540°C (130° - 1000°F) displayed in degrees Fahrenheit or Celsius
- Proloc magnetic key provided with every unit locks controls to prevent changing of temperature and airflow
- Adjustable air flow from 4 to 16 CFM
- Electronic closed-loop temperature control system maintains constant temperature when varying air flow or using specialty attachments
- Base functions as built-in stand for hands-free use
- Power-interrupt reset feature prevents unattended heat gun from resuming heat after a power failure
- Use to heat or dry temperature sensitive materials, shrink tubing, shrink packaging and specialty connectors, solder and desolder, bend plastics, activate adhesives, remove decals, defrost frozen pipes and more
- Make your Proheat even more versatile. See our wide variety of professional quality attachments & accessories (**page 12**)



# Electric Heat Guns

## Proheat® LCD Plastic Welding Kit

### Each Welding Kit Includes:



**Heavy Duty Storage & Carrying Case**  
Safely and conveniently stores kit contents



**Speed Welding Tip (35295)**  
For welding rod up to 6 mm diameter



**Tacking Tip (35271)**  
For tacking parts together prior to welding so they will not move



**3/8" Reducer (35294)**  
Required to attach welding tips



**5/8" Reducer (35293)**  
Provide concentrated airflow



**1/4" Shrink Attachment (35017)**  
Reflects air around shrink tubing or pipe



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



### Plastic Welding & Proheat Instruction Manuals

Provides Informative How-to-Use Instructions

### 5 Starter Welding Rod Assortment (6 ea.)

Round 1/8" Diameter, 9" Long:

- PVC Welding Rod
- PP Welding Rod
- ABS Welding Rod
- HDPE Welding Rod
- LDPE Welding Rod

### Proheat LCD Dial-in Heat Gun (PH-2400)

One compact, Light weight, Easy-to-use, Master Proheat Model PH-1400 Heat Gun

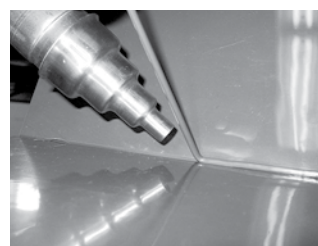
- Dial-in LCD display of temperature and air flow settings
- Dial-in temperatures in 10° increments 50°C to 540°C
- Dial-in air flow from 4 to 16 CFM (113 to 453 l/min)
  - Control system prevents overheating when using specialty attachments
  - Temperature & airflow lock-in feature
  - Assembled in USA
  - See page 12 for more details

### Proheat LCD Plastic Welding Kit

Model No.	PH-2400WK
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Welding Flooring Material



Pendulum Welding



Speed Welding



Mirror Welding

## A Complete Plastic Welding System

- The Master Proheat Plastic Welding Kit makes fabricating and repairing thermoplastics fast and simple. Each kit is a self-contained, general purpose plastic welding system with everything needed for hot air welding a wide variety of thermoplastic materials: rigid and flexible plastics, auto bumpers, tarps, liners, covers, tents, inflatables and more. The kit includes practice welding rod and instruction manual.
- The heart of the system is the Master Proheat LCD Model PH-2400 Dial-in Electric Heat Gun. Dial-in control lets you set both temperature and airflow. Once the proper temperature and airflow for a specific welding application is determined, it can be "locked-in" and saved for use again and again with the exclusive, innovative magnetic key lock-in feature. An electronic control system prevents over-heating when the heat gun is used with special welding attachments.

# Electric Heat Guns

## Proheat® LCD Programmable Heat Gun & Kit

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



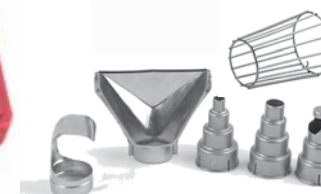
### PH-2500K

Proheat LCD Programmable Heat Gun with rugged storage case and 5 specialty attachments



### PH Series Proheat LCD Programmable Heat Gun

Programmable temperature and air flow controls with 6 memory functions



Quality attachments for professional applications

### Use Preset Programs or Create Your Own

Preset	Temp °F / °C	Air Flow	Application
1	250 / 120	8	Applying specialty composites
2	450 / 230	12	Shrinking tubing
3	650 / 340	14	De-soldering circuit boards
4	850 / 450	16	Bending & forming plastics
5	1000 / 540	12	Soldering

### Proheat LCD Programmable Heat Gun

Model No.	Air Temp.	Air Velocity	Air Volume	230V	50 Hz	6.2A	1426W
PH-2500	50° - 540°C (130° - 1000°F)	213-1219 m/min	113-4531 l/min	230V	50 Hz	6.2A	1426W
PH-2500K	PH-2500 Heat Gun with storage case and all 5 attachments (Part No. 35309) see page 12 for details						

### Specifications

- **Motor:** Permanent Magnet
- **Nozzle Opening:** 22.35mm (.88" I.D., 1.31" O.D.)
- **Cordset:** 1.82m (6ft., 3-wire grounded)
- **Dimensions:** 21.6cmx7.6cmx18.5cm (8.2" L x 3.0" W x 7.3" H)
- 230V Models  $\text{C} \text{E}$
- **Tool Net Weight:** 73kg (1.6 lbs.)
- **Shipping Weight Tool:** 1.36kg (3 lbs.)
- **Shipping Weight Kit:** 3.18 kg (7 lbs.)

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

## Six Programmable Temperature & Air Flow Settings with LCD Display

- Use to heat or dry temperature sensitive materials, shrink tubing, shrink packaging and specialty connectors, solder and desolder, bend plastics, activate adhesives, remove decals, defrost frozen pipes and more
- Compact, lightweight, easy-to-use
- Six programmable settings with digital display of temperature and air flow
- Base provides built-in stand for hands-free use
- Ergonomic handle provides balanced grip
- Power-interrupt reset feature prevents unattended heat gun from resuming heat after a power failure
- Program temperature in 10° increments from 50° - 540°C (130° to 1000°F) in your choice of degrees Fahrenheit or Celsius
- Electronic closed loop temperature control system maintains constant temperature when varying air flow or using specialty attachments
- Temperature & air flow lock-in feature provides added management control.
- Make your Proheat even more versatile. See our wide variety of professional quality attachments & accessories (page 12)



# Electric Heat Guns

## Proheat® STC™ Heat Gun

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



PH Series  
Proheat STC  
Heat Gun

Proloc™  
Magnetic Key

35337  
Proheat STC  
Nozzle Guard

PH-2600K  
Proheat STC Heat Gun  
with rugged storage case

### Master Proheat STC Heat Gun

Model No.	Air Temp.	Air Velocity	Air Volume				
PH-2600	40 - 270°C (90 - 500°F)	213-1219 m/min	113-4531 l/min	230V	50 Hz	6.2A	1426W

PH-2600K	PH-2600 Heat Gun with storage case						
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### Optional Accessories – Master Proheat STC and STC Dual Mode (Page 12) Heat Guns

Part No.	Description
35542	Master Proheat STC storage/carrying case
35337	Master Proheat STC nozzle guard

### Master Proheat STC Surface Temperature Control Heat Gun

- Surface temperature range: up to 270°C (500°F)
- Unique Laser Targeting System™ provides accurate temperature measurement
- Surface temperature displays on the bottom row of the LCD and target temperature displays on top row
- Enables you to work in upper limits of the cure zone to bring surfaces up to temperature fast
- Proloc locking system prevents changing of temperature and airflow
- Green, yellow and red LED lights indicate progress in heating process
- Temperature display in either degrees Celsius or Fahrenheit
- Regulates heater to maintain target temperature
- Avoids overheating or burning heat sensitive materials
- Built-in hanging loop for storage in production area

### Specifications

- Motor: Permanent Magnet
- Nozzle Opening: 22.35mm (.88" I.D., 1.31" O.D.)
- Cordset: 1.82m (6ft., 3-wire grounded)
- Dimensions: 21.6cmx7.6cmx18.5cm (8.2" L x 3.0" W x 7.3" H)
- 230V Models  $\text{C}$   $\text{E}$
- Tool Net Weight: .73 kg (1.6 lbs.)
- Shipping Weight Tool: 1.2 kg (2 lbs. 10oz.)
- Shipping Weight Kit: 1.7 kg (3. lbs. 14oz.)

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

# Electric Heat Guns

## Proheat® STC™ Dual Mode Heat Gun

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



PH Series  
Proheat STC  
Dual Mode Heat Gun

Proloc™  
Magnetic Key

35337  
Proheat STC  
Nozzle Guard

PH-2610K  
Proheat STC Dual Mode Heat Gun  
with rugged storage case

### Master Proheat STC Dual Mode Heat Gun – STC Mode

Model No.	Air Temp.	Air Velocity	Air Volume				
PH-2610	40 - 270°C (90 - 500°F)	213-1219 m/min	113-4531 l/min	230V	50 Hz	6.2A	1426W
PH-2610K	PH-2610 Heat Gun with storage case						

### Master Proheat STC Dual Mode Heat Gun – Standard Mode

Model No.	Air Temp.	Air Velocity	Air Volume				
PH-2610	80-540°C (170-1000°F)	213-1219 m/min	113-4531 l/min	230V	50 Hz	6.2A	1426W
PH-2610K	PH-2610 Heat Gun with storage case						

### Specifications

- Motor: Permanent Magnet
- Nozzle Opening: 22.35mm (.88" I.D., 1.31" O.D.)
- Cordset: 1.82m (6ft., 3-wire grounded)
- Dimensions: 21.6cmx7.6cmx18.5cm (8.2" L x 3.0" W x 7.3" H)
- 230V Models  $\text{C}$   $\text{E}$
- Tool Net Weight: .73 kg (1.6 lbs.)
- Shipping Weight Tool: 1.2 kg (2 lbs. 10oz.)
- Shipping Weight Kit: 1.7 kg (3. lbs. 14oz.)

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

### Master Proheat STC Surface Temperature Control Heat Gun

- Surface temperature range: up to 270°C (500°F) when used in STC Mode, and up to 540°C (1000°F) when used in Standard Mode
- Easily switch from STC Mode to Standard Mode and vice versa
- Unique Laser Targeting System™ provides accurate temperature measurement
- Surface temperature displays on the bottom row of the LCD and target temperature displays on top row in STC Mode
- In Standard Mode target temperature is displayed on top, actual nozzle temperature is displayed on bottom
- Standard mode allows for use of Master's professional quality attachments (18 attachment available)
- Enables you to work in upper limits of the cure zone to bring surfaces up to temperature fast
- Proloc locking system prevents changing of temperature and airflow
- Green, yellow and red LED lights indicate progress in heating process while in STC Mode
- Temperature display in either degrees Celsius or Fahrenheit
- Regulates heater to maintain target temperature
- Avoids overheating or burning heat sensitive materials

# Electric Heat Guns

## Proheat® Heat Gun Attachments & Accessories

Professional quality attachments and accessories add versatility to your Proheat Heat Guns. Direct, concentrate or reflect heat to allow more versatile and precise applications for your heat tool.

### Reducer Attachments



**35294\***  
3/8" (9 mm) Reducer  
Concentrates air flow.  
Also used with weld tips



**35293\***  
5/8" (14 mm) Reducer  
Provides concentrated  
air flow



**35270**  
3/4" (20 mm)  
Reduction Nozzle  
Concentrated air flow



**35260**  
2" (50mm) Spreader Nozzle  
Spreads air evenly over  
wide area



**35016**  
3" (75 mm) Spreader  
Spreads air evenly over  
wide area

### Reflector Attachments



**35272\***  
3/8" (9 mm)  
Reflector, Shrink Attachment  
For shrinking small diameter tubing  
Use with PN35294 3/8" Reducer



**35264\***  
3/8" (9 mm)  
Reflector, Shrink Attachment  
For shrinking small  
diameter tubing



**35292\***  
5/8" (14 mm)  
Special Connector  
Use to terminate shrink,  
solder & crimp connectors



**35261**  
3" (75mm)  
Large Reflector  
For shrinking large  
diameter tubing



**35017**  
1 1/4" Shrink  
Attachment  
Reflects air around surface's  
such as tubing or pipe



**35309\***  
Attachment Kit  
Kit of 5 most popular  
attachments

### Deflector Attachments



**35262**  
2" (50mm)  
Window Nozzle Deflector  
Deflects heat away  
from windows



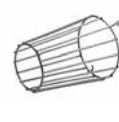
**35263**  
3" (75mm)  
Window Nozzle Deflector  
Deflects heat away  
from windows



**35216**  
Bench Stand  
To position guns for  
various applications



**35291**  
Seam Roller  
with ball bearings  
For lap welding, edging tape  
and roofing applications



**35336**  
Nozzle Guard  
To protect hands and surface  
from hot nozzle tip



**35351**  
Storage Case  
Transport & store in a  
rugged plastic case

### Accessories

### Welding Attachments



**35295\***  
Plastic Welding  
Rod Nozzle w/ 7mm intake  
For use with welding rod,  
use with 3/8" reducer



**35271\***  
Tacking Tip  
For tacking parts together prior  
to welding so they will not  
move, use with 3/8" reducer



**35296\***  
3/4" (20 mm)  
Lap Welding Nozzle  
For lap welding plastic  
materials, use with 3/8" reducer



**35266\***  
1 1/2" (40mm)  
Angle Slit Nozzle  
Lap welds roofing  
materials



**35267\***  
3" (75mm) Teflon Coated  
Butt Welding Heat Disc  
For butt welding  
PVC pipes



**35268\***  
1 1/2" (40mm)  
Lap Welding Slit Nozzle  
For lap welding  
PVC Sheeting

### Welding Rods (Pkg. of 16) Round, 1/8" Dia. x 9" Long



**35297**  
ABS Welding Rod  
Acrylonitrile Butadiene Styne,  
Natural, for welding ABS plastics



**35298**  
PP Welding Rod  
Polypropylene, Natural,  
for welding PP plastics



**35299**  
PVC Welding Rod  
Polyvinyl Chloride, Grey,  
for welding PVC plastics



**35300**  
LDPE Welding Rod  
Low Density Polyethylene, Natural,  
for welding LDPE plastics



**35301**  
HDPE Welding Rod  
High Density Polyethylene,  
for welding HDPE plastics

# Electric Heat Guns

## Proheat® Heat Gun Attachment Compatibility

Professional quality stainless steel attachments add versatility to your Proheat.

Reduce, concentrate, pinpoint, spread, reflect or weld, attachments enable the precise application of heat to your job. These Attachments & Tips can be used on the following Models:

Model No.	Description	PH-2000	PH-2100	PH-2200	PH-2400	PH-2500	PH-2600	PH-2610*
<b>Reducer &amp; Spreader Attachments</b>								
35294	3/8" (9MM) Reducer			•	•	•		•
35293	5/8" (14mm) Reducer			•	•	•		•
35270	3/4" (20mm) Reducer			•	•	•		•
35260	2" (50mm) Spreader	•	•	•	•	•		•
35016	3" (75mm) Spreader	•	•	•	•	•		•
<b>Reflector Attachments</b>								
35272	3/8" (9MM) Reflector			•	•	•		•
35264	3/8" (9MM) Reflector w/ Reducer			•	•	•		•
35292	5/8" (14mm) Specialty Connector			•	•	•		•
35261	3" (75mm) Large Reflector	•	•	•	•	•		•
35017	1 1/4" Shrink	•	•	•	•	•		•
<b>Attachment Kit</b>								
35309	Attachment Kit - 5 Items			•	•	•		•
<b>Deflector Attachments</b>								
35262	2" (50mm) Window Glass Deflector	•	•	•	•	•		•
35263	3" (75mm) Window Glass Deflector	•	•	•	•	•		•
<b>Welding Tips</b>								
35295	7mm Rod, Speed Welding Tip			•	•	•		•
35271	Tacking Tip			•	•	•		•
35296	3/4" (20mm) Lap Welding			•	•	•		•
35266	1 1/2" (40mm) Angle Slit Attach.			•	•	•		•
35267	3" (75mm) Teflon Butt Weld Disk			•	•	•		•
35268	1 1/2" (40mm) Lap Welding Tip			•	•	•		•

\* Nozzle Sensing Mode Only

\* Not for use on the PH-2000, PH-2100



# Butane-Powered Soldering Irons

Econolron® EI-20 Kit



- 35388**  
2.4mm soldering tip (std.)
- 35389**  
Flameless hot air tip (std.)
- 35390**  
Torch head (std.)



**EI-20 Kit**  
Proheat LCD Programmable Heat Gun with rugged storage case and 3 specialty attachments

## Econolron EI-20

Model No.	Description
EI-20K	Economical, refillable, butane-powered soldering iron, flameless heat tool and torch kit

## Specifications

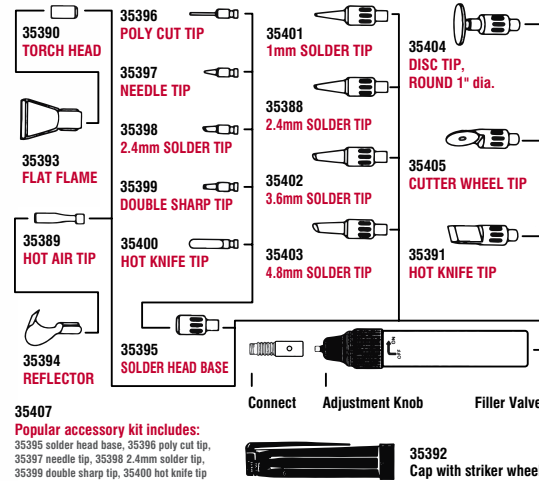
- **Approx. Soldering Tip Temp.:** 200° - 420°C (395° - 780°F)
- **Approx. Hot Air Tip Temp.:** 420°C (780°F)
- **Approx. Torch Tip Temp.:** 1300°C (2370°F)
- **Equivalent to Electric Iron:** 10 to 60 Watt
- **Approx. Operating Time:** 60 min.
- **Fuel Tank Capacity:** .01 L. (6 fl. oz.)
- **Tool Dimensions:** 16.6 cm (6.5" L) w/o cap
- **Kit dimensions:** 25.4 cm x 12.7 cm X 5 cm (10" L x 5" W x 2"H)
- **Torch Net Weight:** 54 g (1.9 oz.)
- **Torch Kit Weight:** .4 kg (13.3 oz.)
- **Shipping Weight:** .5 kg (1 lb.)
- **Shipped Empty**

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

## Economical, Butane-powered Soldering Iron, Flameless Heat Tool & Torch Kit

- Standard with soldering tip, hot air tip and torch tip
- Kit contains tool, soldering tip, hot air tip, torch tip, hot knife tip, coil of 60/40 solder, sponge and tool stand packed in rugged plastic storage case
- Completely portable, lightweight and easy to handle
- Temperatures up to 1300°C (2370°F)
- Ignite tool with flint lighter built into the cap
- Use to pinpoint flameless heat, silver solder, solder and desolder, heat shrink tubing and environmental connectors, strip insulation and cut plastics with hot knife tip, use as an open flame torch and more

**EI Series**  
Econolron EI-20

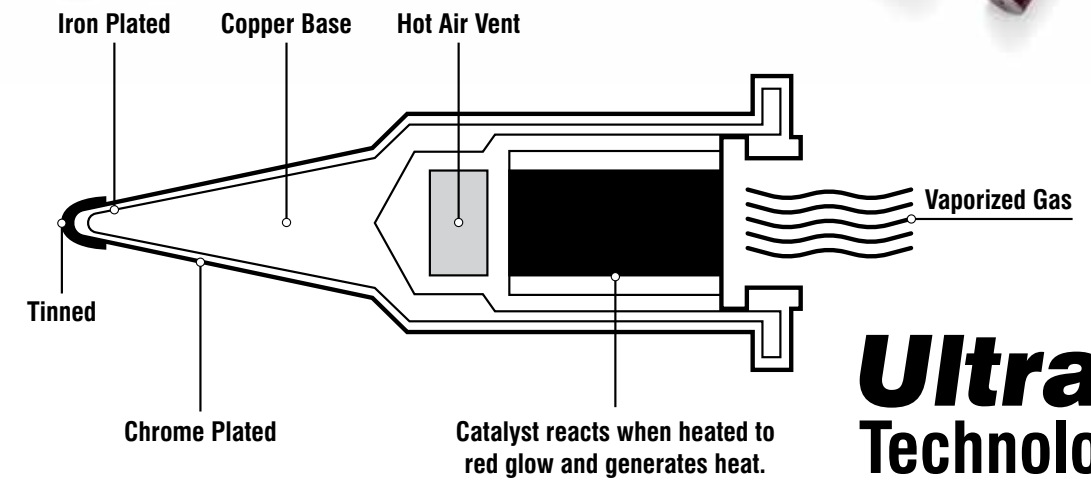


## Optional Replacement Heating Elements

Part No.	Description	Part No.	Description
35388	2.4mm soldering tip (std.)	35398	2.4mm soldering tip – base req'd
35389	Flameless hot air tip (std.)	35399	Double sharp tip – base req'd
35390	Torch head (std.)	35400	Hot knife tip – base req'd
35391	Hot knife tip (std. EI-20K)	35401	1mm soldering tip
35392	Cap with striker wheel (std.)	35402	3.6mm soldering tip
35393	Flat flame tip	35403	4.8mm soldering tip
35394	Heat shrink attachment	35404	Disc tip, round 1" dia.
35395	Solder head base	35405	Cutter wheel tip
35396	Poly cut tip – base req'd	35407	Popular accessory kit
35397	Needle tip – base req'd		

# Butane-Powered Soldering Irons

High Performance Ultratip® Technology



## Ultratip® Technology

## Longer Tip Life, Superior Thermal Conductivity

Master Appliance Ultratorch® heat tools feature Ultratip soldering tips. Ultratip is the long lasting, oxygen-free, copper based, iron and chrome plated soldering tip with a built-in catalyst, tinned with lead-free solder.

Ultratorch heat tools, with Ultratip Technology, are perfect for use with today's lead-free solders. In fact, Ultratip soldering tips have more than double the iron and chrome plating thickness of our competitors' brass based tips, providing higher thermal conductivity and much longer tip life.

## Tips for Lead-Free Hand Soldering

Because hand soldering tends to be done at the end of the line, where the value of a board is at its highest, switching to lead-free solder may have a significant effect on your manufacturing yields, costs and productivity. Simply increasing tip temperature is not the answer because it can cause flux to evaporate before it's had time to activate.

The keys to success here are tip material, tip shape, tip condition, the soldering iron's power output and it's time on the joint.

By choosing the tip shape closest to the component you're soldering, and always selecting the largest tip, you'll transfer heat more efficiently at lower settings. We offer a wide selection of tips for your applications.

Since lead-free solder's higher tin content erodes the tip's iron plating faster, Ultratip's thicker iron and chrome plating will significantly extend the tip life. Cleaning your tips often and immediately re-tinning them will also keep them in top condition longer.



# Butane-Powered Soldering Irons

Ultratorch® UT-40Si & UT-40SiH

UT Series  
Ultratorch UT-40Si



## Ultratorch UT-40

Model No.	Description
UT-40Si	Ultratorch soldering iron/flameless heat tool
UT-40SiH	Ultratorch w/hot air tip & shrink attachment

**Specifications**

- **Approx. Soldering Tip Temp.:** 450°C (840°F)
- **Approx. Hot Air Tip Temp.:** 650°C (1202°F)
- **Equivalent to Electric Iron:** 20 to 80 Watt
- **Approx. Operating Time:** 1.3 hrs.
- **Fuel Tank Capacity:** .5 fl. oz.
- **Tool Dimensions:** 8.3" L (200mm) w/o cap
- **Tool Net Weight:** 74 g (2.6 oz.)
- **Shipping Weight:** .5 kg (1 lb.)
- **Shipped Empty**

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

## Professional Quality, Economical, Self-igniting Soldering Iron & Flameless Heat Tool & Kit

- Standard with Ultratip® soldering tip, hot air tip and protective cap
- Adjustable temperature lever for temperatures up to 650°C (1202°F)
- Convenient slide switch ignition system for quick ignition
- Equivalent to a 20-80 watt electric soldering iron
- Compact size, lightweight and completely portable, features a rugged, easy-to-hold plastic body
- Patented gas catalyst reaction system
- Use to pinpoint heat, remove surface mount components, repair vinyl, heat shrink tubing, solder & desolder, spot dry, strip insulation with hot knife and more

# Butane-Powered Soldering Irons

Ultratorch® UT-50

UT Series  
Ultratorch UT-50



## Ultratorch UT-50

Model No.	Description
UT-50	Butane-powered soldering iron, flameless heat tool and torch

**Specifications**

- **Approx. Soldering Tip Temp.:** 200° - 450°C (392° - 842°F)
- **Approx. Hot Air Tip Temp.:** 430°C (806°F)
- **Approx. Torch Tip Temp.:** 1300°C (2372°F)
- **Equivalent to Electric Iron:** 20 to 60 Watt
- **Approx. Operating Time:** 20 min.
- **Fuel Tank Capacity:** .6 cc (2 fl. oz.)
- **Tool Dimensions:** 165mm (6.5" L)
- **Net Weight:** 62 g (2.2 oz.)
- **Shipping Weight:** .5 kg (1 lb.)
- **Shipped Empty**

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

## Professional Quality, Pen-sized Butane-powered Soldering Iron, Flameless Heat Tool and Torch

- Standard with Ultratip® soldering tip, hot air tip and protective cap
- Pen-sized heat tool fits in your shirt pocket for absolute portability
- Aluminum fuel tank with viewing window to indicate fuel level
- Optional tips and accessories available
- Operates for approximately 20 minutes on a full charge
- Use to pinpoint heat, remove surface mount components, repair vinyl, heat shrink tubing, solder and desolder, spot dry, torch materials and more

# Butane-Powered Soldering Irons

Ultratorch® UT-100 & UT-100-TC



UT Series  
Ultratorch UT-100-TC

Includes heat tool, 3 soldering tips, flameless hot air and open flame torch tips, hot knife, solder, wire cutter, needle nose pliers and cap in a rugged storage/carrying case



UT Series  
Ultratorch UT-100



Solder



Flameless Heat



Torch

Ultratorch UT-100	
Model No.	Description
UT-100-TC	Includes Ultratorch, three Ultratip soldering tips: 70-01-02, 70-01-05, 70-01-11, hot air tip: 70-01-52, shrink attachment: 70-01-55, hot knife: 70-01-16, torch ejector 70-07TU, ejector, sponge, cap, solder, wire cutter and needle nose pliers packed in a rugged plastic carrying case
UT-100	Includes Ultratorch, Ultratip soldering tip: 70-01-02, hot air tip: 70-01-52, shrink attachment: 70-01-55, torch ejector 70-07TU, ejector, sponge and steel case

Specifications	
<ul style="list-style-type: none"> <li>▪ <b>Approx. Soldering Tip Temp.:</b> 200° - 500°C (392° - 932°F)</li> <li>▪ <b>Approx. Hot Air Tip Temp.:</b> 600°C (1112°F)</li> <li>▪ <b>Approx. Torch Tip Temp.:</b> 1260°C (2372°F)</li> <li>▪ <b>Equivalent to Electric Iron:</b> 20 to 80 Watt</li> <li>▪ <b>Approx. Operating Time:</b> 120 min.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Fuel Tank Capacity:</b> 28 cc (1 fl. oz.)</li> <li>▪ <b>Tool Dimensions:</b> 242mm (9.5" L)</li> <li>▪ <b>Tool Net Weight:</b> 105 g (3.7 oz.)</li> <li>▪ <b>UT-100 Shipping Weight:</b> .5 kg (1 lb.)</li> <li>▪ <b>UT-100-TC Shipping Weight:</b> 1.4 kg (3 lbs.)</li> <li>▪ <b>Shipped Empty</b></li> <li>▪ </li> </ul>

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

## Butane-powered Soldering Iron, Flameless Heat Tool and Torch

- Triple function soldering iron, flameless heat tool and brazing torch
- Features oxygen-free, copper based Ultratip® soldering tips, with thick iron and chrome plating for long life and high thermal conductivity
- Cordless and completely portable, ready-to-use in 30 seconds
- Adjustable temperature control
- Soldering temperature up to 500°C (932°F), ideal for use with today's lead-free solder
- Hot air temperature up to 650°C (1202°F), perfect for Solderseal™ environmental "heat and seal" connectors
- Torch temperatures up to 1260°C (2372°F)
- Sturdy metal tank with fuel viewing window holds enough fuel for 2 hours of operation
- Use to pinpoint heat, remove surface mount components, repair vinyl, heat shrink tubing, solder and desolder, spot dry, torch materials and more
- Optional accessories available and interchangeable between UT-100 & UT100Si (page 20)

# Butane-Powered Soldering Irons

Ultratorch® UT-100Si, UT-100SiK & UT-100Si-TC

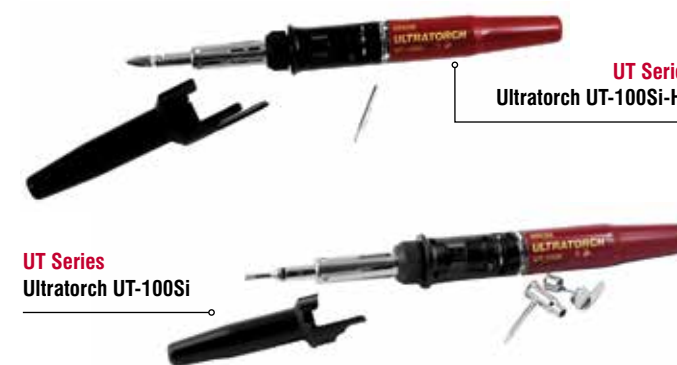


UT Series  
Ultratorch UT-100Si-TC

Includes heat tool, 3 soldering tips and flameless hot air tip, hot knife, solder, wire cutter, needle nose pliers and cap in a rugged storage/carrying case



UT Series  
Ultratorch UT-100SiK



UT Series  
Ultratorch UT-100Si-HK

UT Series  
Ultratorch UT-100Si

Ultratorch UT-100Si	
Model No.	Description
UT-100Si	Includes Ultratorch, Ultratip soldering tip: 70-01-02, hot air tip: 70-01-52, shrink attachment: ejector and cap
UT-100SiK	Includes Ultratorch, Ultratip soldering tip: 70-01-02, hot air tip: 70-01-52, shrink attachment: 70-01-55, ejector, sponge and steel case
UT-100Si-TC	Includes Ultratorch, three Ultratip soldering tips: 70-01-02, 70-01-05, 70-01-11, hot air tip: 70-01-52, shrink attachment: 70-01-55, hot knife: 70-01-16, ejector, sponge, cap, solder, wire cutter and needle nose pliers packed in a rugged plastic carrying case
UT-100Si-HK	Includes Ultratorch, hot knife: 70-01-16, ejector and cap

Specifications	
<ul style="list-style-type: none"> <li>▪ <b>Approx. Soldering Tip Temp.:</b> 250° - 500°C (482° - 932°F)</li> <li>▪ <b>Approx. Hot Air Tip Temp.:</b> 650°C (1202°F)</li> <li>▪ <b>Approx. Flame Temp.:</b> 1371°C (2500°F)</li> <li>▪ <b>Equivalent to Electric Iron:</b> 20 to 80 Watt</li> <li>▪ <b>Approx. Operating Time:</b> 120 min.</li> <li>▪ <b>Fuel Tank Capacity:</b> 28 cc (1 fl. oz.)</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Tool Dimensions:</b> 260mm (10.3" L)</li> <li>▪ <b>Tool Net Weight:</b> 100 g (5.5 oz.)</li> <li>▪ <b>UT-100Si Shipping Weight:</b> .5 kg (1 lb.)</li> <li>▪ <b>UT-100SiK Shipping Weight:</b> .9 kg (2 lbs.)</li> <li>▪ <b>UT-100Si-TC Shipping Weight:</b> 1.4 kg (3 lbs.)</li> <li>▪ <b>Shipped Empty</b></li> <li>▪ </li> </ul>

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

## Professional Self-igniting Butane-powered Soldering Iron, Flameless Heat Tool & Torch

- Triple function, self-igniting soldering iron, flameless heat tool and torch
- Features oxygen-free, copper based Ultratip® soldering tips, with thick iron and chrome plating for long life and high thermal conductivity
- Cordless and completely portable, ready-to-use in 30 seconds
- Self-ignition with push button for fast, easy starting
- Adjustable temperature control
- Soldering temperature up to 500°C (932°F), ideal for use with today's lead-free solder
- Hot air temperature up to 650°C (1202°F), perfect for Solderseal™ environmental "heat and seal" connectors
- Sturdy metal tank with fuel viewing window holds enough fuel for 2 hours of operation
- Blue pin-point flame function
- Contains everything needed to heat shrink tubing and specialty connectors, remove surface mount components, solder and desolder, repair vinyl, spot dry and cut materials
- Optional accessories available and interchangeable between UT-100 & UT100Si (page 20)



# Butane-Powered Soldering Irons

## Ultratorch® UT-100 & UT-100Si Ultratips® and Accessories



### Ultratorch UT-100 & UT-100Si Tips and Accessories

Model No.	Description	Model No.	Description
<b>Soldering Tips</b>			
<b>70-01-01</b>	1mm dia. tapered needle soldering tip	<b>70-01-08</b>	2mm dia. 35° spade soldering tip
<b>70-01-02</b>	3.3mm dia. chisel soldering tip (std., all models)	<b>70-01-09</b>	3mm dia. 35° spade soldering tip
<b>70-01-03</b>	2mm dia. spade soldering tip	<b>70-01-10</b>	1mm dia. offset tapered needle soldering tip
<b>70-01-04</b>	3mm dia. spade soldering tip	<b>70-01-11</b>	8mm dia. high powered chisel soldering tip (std., UT-100-TC, UT-100Si-TC)
<b>70-01-05</b>	0.5mm dia. tapered needle soldering tip (std. UT-100-TC, UT-100Si-TC)	<b>70-01-12</b>	3mm dia. high powered round head needle tip
<b>70-01-06</b>	2mm dia. micro spade soldering tip	<b>70-01-13</b>	.5mm dia. high powered long tapered chisel tip
<b>70-01-07</b>	0.5mm dia. square tapered pyramid soldering tip	<b>70-01-15</b>	7mm dia. 45° spade soldering tip
<b>Hot Air Tips</b>			
<b>70-01-50</b>	2.5 O.D./1.59 I.D. (mm) hot air tip	<b>70-01-52</b>	5.7 O.D./4.9 I.D. (mm) hot air tip (std. all models)
<b>70-01-51</b>	4.25 O.D./3.3 I.D. (mm) hot air tip	<b>70-053</b>	8.0 O.D./6.9 I.D. (mm) hot air tip
<b>Hot Knife Tip</b>			
<b>70-01-16</b>	Hot knife tip (std. UT-100-TC, UT-100Si-TC, UT-100SiHK)	<b>Adapter</b>	
<b>70-01-14</b>	8.4 tip adapter (4mm dia. x .7 pitch mm)		
<b>Accessories</b>			
<b>70-01-54</b>	.75"/19mm dia., .825"/22.2mm wide heat shrink attachment	<b>70-37U</b>	Tip cleaner sponge (std. with UT-100, UT-100SiK)
<b>70-01-55</b>	.5"/12.7mm dia., .75"/19mm wide heat shrink attachment (std. all models)	<b>70-40U</b>	Metal storage box (std. with UT-100, UT-100SiK)
<b>70-02</b>	Protective cap (std. UT-100, UT-100-TC)	<b>70-43</b>	Tool holder (std. with UT-100, UT-100SiK)
<b>70-07TU</b>	Ejector, torch (std. UT-100, UT-100-TC)	<b>70-52U</b>	Carrying strap
<b>70-35</b>	Ejector spanner wrench	<b>90-02</b>	Protective cap (std. UT-100Si, UT-100Si-TC)

### Ultratip Soldering Tips for Use with UT-100 & UT-100Si Ultratorches

- Oxygen-free, copper based Ultratip soldering tips have thick iron and chrome plating for long life and high thermal conductivity
- Ultratips are manufactured using a patented process which produces uniform iron and chrome plating thickness
- Ultratip soldering tips feature leading-edge combustion chamber/exhaust port design
- All tips pre-tinned with lead-free solder
- Optional tips interchangeable between all UT-100 & UT-100Si models



# Butane-Powered Soldering Irons

## Ultratorch® UT-200 & UT-200Si Ultratips® and Accessories



**UT Series**  
**Ultratorch UT-200**  
2.6 Hour Run Time

**UT Series**  
**Ultratorch UT-200Si**  
2.6 Hour Run Time

### Ultratorch UT-200

Model No.	Description
<b>UT-200</b>	Butane-powered soldering iron, heat tool and torch with soldering tip, hot air tip, shrink attachment and protective cap
<b>UT-200Si</b>	Self-igniting, butane-powered soldering iron/heat tool, with soldering tip, hot air tip, shrink attachment and protective cap

### Specifications

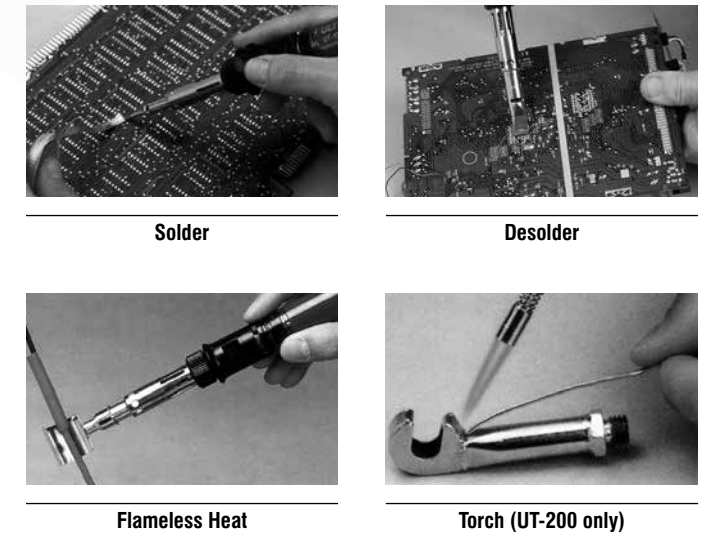
- Approx. Soldering Tip Temp.:** 250° - 530°C (482° - 986°F)
- Approx. Hot Air Tip Temp.:** 540°C (1004°F)
- Approx. Torch Tip Temp.:** UT-200 1260°C (2372°F)
- Approx. Operating Time:** 120 min.
- Fuel Tank Capacity:** 63 cc (2.2 fl. oz.)
- Tool Dimensions:** 300mm (11.9" L)
- Tool Net Weight:** 255 g (9 oz.)
- Tool Kit Weight:** .4 kg (13.3 oz.)
- Shipping Weight:** .5 kg (1 lb.)
- Shipped Empty**

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

### Butane-powered Soldering Iron/Heat Tools

- UT-200**
  - Operates as a soldering iron, flameless heat tool and butane torch
  - Standard with Ultratip soldering tip, hot air tip, shrink attachment and protective cap
  - Equivalent to 200 watt max. electric soldering iron
  - Adjustable temperatures up to 1260°C (2372°F)
  - High power (BTU's) makes it perfect for heavy-duty service and maintenance
  - Sturdy metal tank holds enough fuel for 2.6 hours of operation at middle temperature setting
  - Use to pinpoint heat, heat shrink tubing, solder and desolder, strip insulation, terminate specialty connectors, torch materials and more
  - Optional accessories interchangeable between UT-200 and UT-200Si models

- UT-200Si**
  - Operates as a soldering iron and flameless heat tool
  - Self-ignition with push button for fast, easy starting
  - Standard with Ultratip soldering tip, hot air tip, shrink attachment, spanner and open end wrenches, and protective cap
  - Equivalent to 200 watt max. electric soldering iron
  - Adjustable temperatures up to 540°C (1004°F)
  - High power (BTU's) makes it perfect for heavy-duty service and maintenance
  - Sturdy metal tank holds enough fuel for 2.6 hours of operation at middle temperature setting
  - Use to pinpoint heat, heat shrink tubing, solder and desolder, strip insulation, terminate specialty connectors, torch materials and more
  - Optional accessories interchangeable between UT-200 and UT-200Si models



**Solder**

**Desolder**

**Flameless Heat**

**Torch (UT-200 only)**

# 02 | Butane-Powered Soldering Irons

## Ultratorch® UT-200 & UT-200Si Ultratips® and Accessories



**72-01-01**  
3mm dia. tapered needle

**72-01-02**  
10mm dia. chisel

**72-01-03**  
4mm dia. spade

**72-01-05**  
1mm dia. tapered needle

**72-01-06**  
4mm dia. micro spade

**72-01-07**  
1.5mm dia. tapered pyramid

**72-01-11**  
7mm dia. chisel

**72-01-12**  
4mm dia. chisel

**72-01-13**  
12.5mm dia. 45° spade

**72-01-14**  
Adapter

**72-01-51**  
5.6 O.D./3.6 I.D. (mm)

**72-01-52**  
8.6 O.D./6.6 I.D. (mm)

**72-01-53**  
11.5 O.D./9.7 I.D. (mm)

**72-02**  
Protective cap

**72-01-54**  
1 1/25.4mm dia., 1 1/25.4mm wide heat shrink

**72-01-55**  
1.25 1/32mm dia., 1.25 1/32mm wide heat shrink

**80-35**  
Ejector spanner wrench

**80-40**  
Open end wrench

**72-52U**  
Carrying strap

### Ultratorch UT-200 & UT-200Si Tips and Accessories

Model No.	Description
<b>Soldering Tips</b>	
72-01-01	3mm dia. tapered needle soldering tip
72-01-02	10mm dia. chisel soldering tip (std. UT-200, UT-200Si)
72-01-03	4mm dia. spade soldering tip
72-01-05	1mm dia. tapered needle soldering tip
72-01-06	4mm dia. micro spade soldering tip
72-01-11	7mm dia. chisel soldering tip
72-01-12	4mm dia. chisel soldering tip
72-01-13	12.5mm dia. 45° spade soldering tip
<b>Hot Air Tips</b>	
72-01-51	5.6 O.D./3.6 I.D. (mm) hot air tip
72-01-52	8.6 O.D./6.6 I.D. (mm) hot air tip (std. all models)
72-01-53	11.5 O.D./9.7 I.D. (mm) hot air tip
<b>Adapter</b>	
72-01-14	Adapter (5mm dia. x 8mm pitch) tip
<b>Accessories</b>	
72-01-54	1 1/25.4mm dia., 1 1/25.4mm wide heat shrink attachment
72-01-55	1.25 1/32mm dia., 1.25 1/32mm wide heat shrink attachment (std. UT-200, UT-200Si)
72-02	Protective cap (std. UT-200, UT-200Si)
72-52U	Carrying strap
80-35	Ejector spanner wrench (std. UT-200Si)
80-40	Open end wrench (std. UT-200, UT-200Si)

### Butane-powered Soldering Iron/Heat Tools

- Oxygen-free, copper based Ultratip soldering tips have thick iron and chrome plating for long life and high thermal conductivity
- Ultratips are manufactured using a patented process which produces a uniform iron and chrome plating thickness
- Ultratip soldering tips feature leading-edge combustion chamber/exhaust port design
- All tips are pre-tinned with lead-free solder
- Optional accessories interchangeable between UT-200 and UT-200Si models

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

# 03

# Butane-Powered Torches

## Microtorch MT-11 & MT-11K

### Palm-sized Microtorch

- Built-in self-igniting system with safety lock
- Temperatures up to 1300°C (2500°F)
- Compact palm-sized, perfect for tool kits and field service kits
- Adjustable wind-resistant flame
- Meets Consumer Products Safety Commission (CPSC) Child Safety Requirements
- Use to heat materials, ignite materials, pinpoint torch, shrink tubing, solder and desolder, terminate specialty connectors and more
- Replaceable, refillable "fuel cell" (included)

### Microtorch MT-11

Model No.	Description
MT-11	Microtorch, palm-sized, shipped without fuel
<b>Specifications</b>	
<ul style="list-style-type: none"> <li>• <b>Approx. Flame Temp.</b> 1300°C (2500°F)</li> <li>• <b>Fuel Tank:</b> Refillable Fuel Cell</li> <li>• <b>Approx. Run Time:</b> 20 min. @ max. setting</li> <li>• <b>Dimensions:</b> 11cm x 6.4cm x 2.5cm (2.9" H x 1.3" W x .9" D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Tool Net Weight:</b> 59 g (2.1 oz.)</li> <li>• <b>Shipping Weight Tool:</b> .5 kg (1 lb.)</li> <li>• <b>Shipping Weight Kit:</b> .9 kg (2 lbs.)</li> </ul>



## Microtorch MT-30



### Microtorch MT-30

Model No.	Description
MT-30	Microtorch, low profile table-top

Specifications	
<ul style="list-style-type: none"> <li>• <b>Approx. Flame Temp.</b> 1300°C (2500°F)</li> <li>• <b>Fuel Tank:</b> Metal, Built-in, Refillable</li> <li>• <b>Approx. Run Time:</b> 60 min. @ max. setting</li> <li>• <b>Dimensions:</b> 13cm x 7.6cm x 9cm (5.1" L x 3" W x 3.5" D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Tool Net Weight:</b> 340 g (12 oz.)</li> <li>• <b>Shipping Weight Tool:</b> .5 kg (1 lb.)</li> <li>• <b>Shipped Empty</b></li> <li>• </li> </ul>

### Low Profile, Table-top Microtorch with Stable Base

- Built-in self-igniting system with safety lock that ensures the switch is not turned on when not in use
- Wide, heavy, stable base is perfect for bench-top use
- Durable self-contained, refillable metal fuel tank
- Large capacity fuel tank for 60-minute continuous run time on full charge
- Adjustable broad or pinpoint flame with temperatures up to 1300°C (2500°F)
- Use for laboratory applications, to heat materials, shrink tubing, terminate specialty connectors, work with silver wire, add patina to copper jewelry, as a pinpoint torch and more



# Butane-Powered Torches

Microtorch MT-51 & MT-51H



**MT Series**  
**Microtorch MT-51H**

Includes Hot Air Tip (35387) & Heat Reflector (35394) for heat shrink applications

**MT Series**  
**Microtorch MT-51**



Heat Shrinking

Microtorch MT-51, MT-51B & MT-51H	
Model No.	Description
MT-51	Microtorch, table-top
MT-51H	Microtorch, table-top includes hot air tip (35387) and 1" diameter heat shrink attachment (35394)

Specifications	
<ul style="list-style-type: none"> <li>▪ <b>Approx. Flame Temp.</b> 1300°C (2500°F)</li> <li>▪ <b>Fuel Tank:</b> Plastic, Built-in, Refillable</li> <li>▪ <b>Approx. Run Time:</b> 2 hours</li> <li>▪ <b>Dimensions:</b> 15.5cm x 7.6cm x 3.3cm (6.1" H x 3" W x 1.3" D)</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Tool Net Weight:</b> 142 g (5 oz.)</li> <li>▪ <b>Shipping Weight:</b> .5 kg (1 lb.)</li> <li>▪ <b>Shipped Empty</b></li> </ul>

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

## Hand-held or Table-top Butane-powered Microtorch

- Built-in self-igniting system with safety lock
- "Hands-free" slide lock for continuous use and instant off operation
- Durable self-contained, refillable plastic fuel tank
- Wide, stable base is perfect for hands-free use
- Temperatures up to 1300°C (2500°F)
- 2 hour continuous burn time, perfect for continuous heat applications
- Adjustable broad or pinpoint flame
- Meets Consumer Products Safety Commission (CPSC) Child Safety Requirements
- Use to heat materials, ignite materials, pinpoint torch, shrink tubing, solder and desolder, terminate specialty connectors and more

# Butane-Powered Torches

Triggertorch™ MT-76 & MT-76K



**MT Series**  
**Triggertorch MT-76K**

4 tools in 1 — Open Flame Torch, Soldering Iron, Flameless Hot Air and Hot Knife in a rugged storage/carrying case



**MT Series**  
**Triggertorch MT-76**

3 tools in 1 — Open Flame Torch, Soldering Iron and Flameless Hot Air



Solder



Flameless Hot Air



2 Hour Run Time

Triggertorch MT-76	
Model No.	Description
MT-76	Triggertorch with table-top stand, soldering tip (35386) & hot air tip (35387)
MT-76K	Triggertorch kit with table-top stand, soldering tip (35386), hot air tip (35387), hot knife tip (35400), shrink attachment (35394), polyfoam cutter (35396), 5" wire cutter, 5" needle nose pliers, lead free solder and sponge packed in a durable plastic case

Specifications	
<ul style="list-style-type: none"> <li>▪ <b>Approx. Flame Temp.:</b> 1300°C (2500°F)</li> <li>▪ <b>Fuel Tank:</b> Plastic, Built-in, Refillable</li> <li>▪ <b>Approx. Operating Time:</b> 2 hours</li> <li>▪ <b>Dimensions:</b> 16.5cm x 9.7cm x 3.3cm (6.5" H x 3.8" W x 1.3" D)</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>MT-76 Weight:</b> 227 g (8 oz.)</li> <li>▪ <b>Shipping Weight Tool:</b> .5 kg (1 lb.)</li> <li>▪ <b>Shipping Weight Kit:</b> 1.36 kg (3 lbs.)</li> <li>▪ <b>Shipped Empty</b></li> </ul>

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

## Professional Quality, Hand-held or Table-top, Butane-powered, Self-igniting Triggertorch, Soldering Iron and Flameless Heat Tool

- Gas adjustment wheel provides adjustable, long blue torch flame with temperatures up to 1300°C (2500°F)
- Self-igniting piezo electric ignition is easy to start and eliminates the need for lighter or matches
- MT-76 includes soldering tip and hot air tip for soldering up to 400°C (752°F) and heating up to 500°C (932°F)
- Durable self-contained, refillable plastic fuel tank with capacity for 2 hour run time
- Kit includes triggertorch, removable stand, 5" wire cutter, 5" needle nose pliers, soldering tip, hot air tip, shrink attachment, polyfoam cutter, hot knife tip, roll lead free solder, and stand with sponge packed in a durable plastic storage/carrying case
- Incorporates "trigger" switch with "pulldown" lock to meet Consumer Products Safety Commission (CPSC) Child Safety Requirements
- "Hands-free" slide lock for continuous use and instant off operation
- Unique shutter lever to easily extinguish ignition flame when using soldering or hot air tip attachments
- Ergonomic handle design ensures a non-slip grip
- Removable base for table-top or hand-held use
- Use to heat parts, ignite materials, melt plastic, shrink tubing, solder & desolder, terminate specialty connectors and more

# Butane-Powered Torches

## Mini-Triggertorch MT-70 & MT-70P



### Self-igniting Butane-powered Microtorch, Soldering Iron, Heat Tool

- Gas adjustment wheel provides adjustable, long blue torch flame with temperatures up to 1300°C (2500°F)
- Self-igniting piezo electric ignition is easy to start and eliminates the need for lighter or matches
- Incorporates "trigger" switch with "pulldown" lock to meet Consumer Products Safety Commission (CPSC) Child Safety Requirements
- "Hands-free" slide lock for continuous use and instant off operation
- Ergonomic handle design ensures a non-slip grip
- Removable base for table-top or hand-held use
- 60 minute continuous run time with a full charge
- Durable self-contained, refillable plastic fuel tank
- Unique shutter lever to easily extinguish ignition flame if using optional soldering or hot air tip attachments
- Use to heat parts, ignite materials, melt plastic, shrink tubing, solder & desolder, terminate specialty connectors and more

#### Specifications

- Approx. Flame Temp.** 1300°C (2500°F)
- Fuel Tank:** Plastic, Built-in, Refillable
- Approx. Run Time:** 60 min. @ max. setting
- MT-70 dimensions:** 14cm x 9.6cm x 3.3cm (5.5" L x 3.8" H x 1.3" W)
- Tool Net Weight:** 181g (6.4 oz.)
- Shipping Weight Tool:** .5 kg (1 lb.)
- MT-70P Shipping Weight Kit:** .9 kg (2 lbs.)
- Shipped Empty**

#### Mini-Triggertorch MT-70

Model No.	Description
MT-70	Mini-Triggertorch, mini, table-top
MT-70P	MT-70 Mini-Triggertorch & MT-11 Palm-sized Microtorch

## General Industrial Torch GT-70

### Hand-held or Table-top, Butane-powered, Heavy-duty, General Industrial Torch

- Self-igniting piezo electric ignition is easy to start and eliminates need for lighter or matches
- Large sized adjustable blue flame accommodates heavy-duty industrial applications with temperatures up to 1300°C (2500°F)
- Safety lock prevents unintentional ignition, locks for storage
- Large capacity, built-in, durable, metal fuel tank for 30-minute continuous run time on a full charge
- Removable base for table-top or hand-held use
- Meets Consumer Products Safety Commission (CPSC) Child Safety Requirements
- Use to braze with special alloy welding rods, heat and bend thin metals, loosen rusted bolts, pop dents out of metal, shrink and terminate heavy wall adhesive-lined tubing, solder and desolder and more

#### General Industrial Torch GT-70

Model No.	Description
GT-70	General Industrial Torch

#### Specifications

- Approx. Flame Temp.** 1300°C (2500°F)
- Fuel Tank:** Metal, Built-in, Refillable
- Approx. Run Time:** 30 min.
- Dimensions:** 16.5cm x 12.7cm x 4.6cm (6.5" H x 5" W x 1.8" D)
- Tool Net Weight:** 301 g (10.6 oz.)
- Shipping Weight Tool:** .5 kg (1 lb.)
- Shipped Empty**

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



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

# 04 Butane-Powered Glue Guns

## Master PortaPro® Glue Gun — GG-100



### GG Series PortaPro Glue Gun GG-100

Includes: glue gun, general purpose tip (35408) and four general purpose 6" glue sticks



Continuous use operating times up to 140 minutes



Cordless operation is fast and convenient

#### PortaPro Glue Gun

Model No.	Description
GG-100	PortaPro Glue Gun
GG-100K	PortaPro Glue Gun Kit

#### Specifications

- Approx. Operating Temp:** 200°C (392°F)
- Ramp Up Time:** 3-4 minutes
- Recommended Glue Stick:** 1/2"
- Glue Melt Rate:** up to 1.9 lbs. per hour (full tank)
- Approx. Run Time:** 140 minutes
- Fuel Capacity:** 20 ml. (0.68 fl. oz.)
- Dimensions:** 21.3cm x 5.3cm x 20.3cm (8.4" L x 2.1" W x 8.0" H)
- Tool Net Weight:** 420 g (14.8 oz.) w/o fuel
- Shipping Weight Tool:** 9 kg (2 lbs.)
- Shipping Weight Kit:** 1.36 kg (3 lbs.)
- Shipped Empty**

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



### GG Series PortaPro Glue Gun GG-100K

Includes: glue gun, 4 tips, 8 general purpose 6" long glue sticks & manual packed in a rugged storage case. Case has slot to hold Master Butane (51773 not included)



#### Optional Accessories

Part No.	Description
35408	Standard general purpose tip — Dia. 4.47mm O.D.
35409	Needle extension tip — 7.8mm long Dia. 3.2mm O.D.
35410	Diagonal cut extension tip — 8.4mm long x 45° Dia. 4.74mm O.D.
35411	Spreader extension tip — 7.6mm(L) x 6.6mm(W) 0.50mm I.D. slot
35412	12 General purpose glue sticks 12" long x 1/2" dia.
35413	12 Carton closing glue sticks 12" long x 1/2" dia
35414	12 Woodworking glue sticks 12" long x 1/2" dia.
35454	20 lbs. General purpose glue sticks (approx. 290 sticks)
35455	20 lbs. Carton closing glue sticks (approx. 290 sticks)
35456	20 lbs. Woodworking glue sticks (approx. 290 sticks)

## Cordless, Butane-powered Hotmelt Glue Gun

- Use to bond corrugated materials, chipboard and wood, fasten plastics, light metals, textiles, shock absorbent packaging, capacitors, resistors, soldered parts, electrical potting/staking parts on PC boards and jumper wires, reseal products during packaging, and glue down carpeting
- Completely portable, lets you work almost anywhere
- Industrial power and durability
- One touch, fast piezo ignition
- Reaches operating temperature in less than 4 minutes
- 140 minutes continuous run time with a full charge
- Fuel view window indicates fuel level
- Built-in fold away stand
- Unlimited versatility



# Butane-Powered Glue Guns

Master PortaPro® Glue Gun — GG-200



Easy to refill



Cordless operation is fast and convenient



GG Series  
PortaPro Glue Gun GG-200

## PortaPro Glue Gun

Model No.	Description
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GG-200 PortaPro Glue Gun

### Specifications

- **Approx. Operating Temp:** 200°C (392°F)
- **Ramp Up Time:** 3-4 minutes
- **Recommended Glue Stick:** 1/2"
- **Glue Melt Rate:** up to .67 lbs. per hour
- **Approx. Run Time:** 120 minutes (full tank)
- **Fuel Capacity:** 6 grams
- **Dimensions:** 17.1cm x 3.2cm x 15.3cm (6.75" L x 1.25" W x 6" H)
- **Tool Net Weight:** 224g (7.9 oz.) w/o fuel
- **Shipping Weight Tool:** .9 kg (2 lbs.)
- **Shipped Empty**
- 

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

## Optional Accessories

Part No.	Description
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- 35412 12 General purpose glue sticks 12" long x 1/2" dia.
- 35413 12 Carton closing glue sticks 12" long x 1/2" dia
- 35414 12 Woodworking glue sticks 12" long x 1/2" dia.
- 51773 5 1/2 oz. (145 gram) canister with universal tip adapter
- 11799 3 3/4 oz. (106 gram) canister with universal tip adapter
- 10448 1 5/16 oz. (26 gram) canister with universal tip adapter

## Master PortaPro Glue Gun – GG- 200

- Use to bond corrugated materials, chipboard and wood, fasten plastics, light metals, textiles, shock absorbent packaging, capacitors, resistors, soldered parts, electrical potting/staking parts on PC boards and jumper wires and glue down carpeting
- Completely portable, lets you work almost anywhere
- Industrial power and durability
- One touch, fast piezo ignition
- Reaches operating temperature in less than 4 minutes
- 120 minutes continuous run time with a full charge
- Fuel view window indicates fuel level
- Unique temperature control thermostat controls glue gun chamber temperature and regulates gas flow
- Lightweight (7.9 oz.)

# 05

# Sealed Electrical Systems

Advantages of Heat-Sealed Electrical Connectors



Available in three styles:

**Proseal™**  
Crimp and heat-seal connectors

**Solderseal™**  
Solder & heat-seal connectors

**Multiseal™**  
Crimp, solder & heat-seal connectors

## Environmentally Sealed Connections Create Permanent Repairs

The past decade has seen the advent of sweeping technological advances in the automotive, fleet, and marine industries. Many of these advances involve improved electrical systems, controlled by miniature onboard computers. Consequently, small variations in voltage can significantly affect vehicle performance.

To combat these problems and increase longevity, the major manufacturers in these industries are using completely sealed electrical systems. Unfortunately, the repair and maintenance industry is lagging behind.

The integrity of sealed electrical harnesses is often breached when repairs are made with inferior, unsealed electrical connectors. Master Appliance has the solution.

The heat shrink connector is the innovative solution that allows the aftermarket to keep pace with changing technology. Each repair made with a heat shrink connector is individually protected from corrosion, contaminants and current leakage. This ensures that the original integrity of the wiring harness is maintained.

- Heavy Duty Trucking
- Marine & RV
- Plant Maintenance Departments
- OEM & Automotive Aftermarket
- Heavy Duty Equipment
- Oil Fields & Mining
- Municipalities & Military Bases



# Sealed Electrical Systems

## Proseal™ Connector Assortment Kits

### 10054 — Proseal Butt Splice Connector Minipack (3 items & 45 pieces)

AWG	Description	Kit QTY	50pc Refill
<b>Butt Connectors</b>			
20-18	Butt Connector, Red	20	10666
16-14	Butt Connector, Blue	20	10667
12-10	Butt Connector, Yellow	5	10668

### 10600 — Assortment Proseal Connector Kit (20 items & 115 pieces)

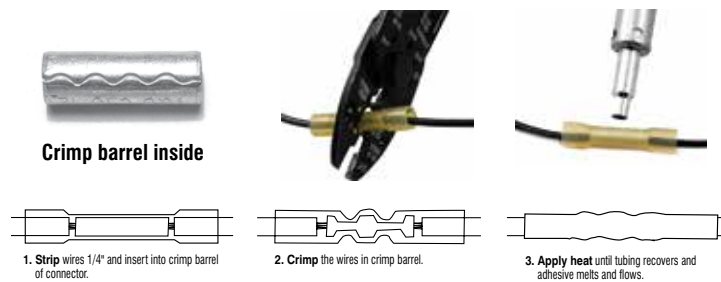
AWG	Description	Kit QTY	50pc Refill
<b>Ring Terminals</b>			
20-18	#6 Stud, Red	5	10658
20-18	#10 Stud, Red	5	10659
16-14	#8 Stud, Blue	5	10648
16-14	#10 Stud, Blue	5	10649
16-14	1/4" Stud, Blue	5	10650
16-14	3/8" Stud, Blue	5	10652
12-10	#8 Stud, Yellow	5	10653
12-10	#10 Stud, Yellow	5	10654
12-10	1/4" Stud, Yellow	5	10655
12-10	3/8" Stud, Yellow	5	10657
<b>Spade Terminals</b>			
20-18	#10 Stud, Red	5	10665
16-14	#10 Stud, Blue	5	10663
12-10	#10 Stud, Yellow	5	10664
<b>Butt Connectors</b>			
20-18	Butt Connector, Red	10	10666
16-14	Butt Connector, Blue	10	10667
12-10	Butt Connector, Yellow	10	10668
<b>Insulated Couplers</b>			
20-18	Female, .250 Tab, Red	5	10669
20-18	Male, .250 Tab, Red	5	10672
16-14	Female, .250 Tab, Blue	5	10671
16-14	Male, .250 Tab, Blue	5	10673



**10054**  
Proseal Butt Splice Connector Minipack



**10600**  
Assortment Proseal Connector Kit



### Specifications

- Temperature rating: -55°C to 110°C (-67°F to 230°F)
- Longitudinal change: +1, -10%
- Recovery temperature: 135°C (275°F)
- Dialectic strength: 900 Volts/Mil.
- UL Voltage Rating: 600 Volts
- Water absorption: <0.1%
- Corrosion resistance: Non-corrosive
- Fungus Resistance: Non-nutrient
- Water absorption: <0.1%

**Crimp** Mechanical reliability holds wires in place

**Seal** Durable insulation • Watertight connection

### High Quality Crimp & Heat-seal Connectors

- The finest "Crimp & Heat-Seal" connector on the market today. Better wire contact — Less voltage drop — Better current flow
- Seamless butt connectors & brazed seam rings and spades — Prevents opening of connector barrel for stronger crimp
- Uniform adhesive flow does not overflow onto terminal to impede contact
- Heat shrink tubing does not reduce in length, creating better insulation along with superior wire support and strain relief
- Translucent, adhesive-lined polyolefin shrink tubing — Allows visual inspection, prevents wire corrosion and provides a water and contaminant resistant seal
- Color-coded tubing with wire gauge imprint — Provides easy identification of the correct part for the job
- Superior integrity of electrical systems — Sealed electrical systems ensure the original integrity of wire connections and wiring harnesses and conforms with OEM standards. **89 lbs tensile strength**

# Sealed Electrical Systems

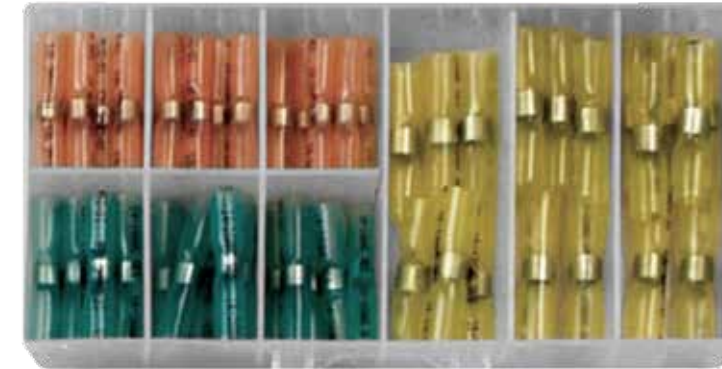
## Solderseal™ Connector Assortment Kits

### 10056 — Solderseal Butt Splice Connector Minipack (4 items & 55 pieces)

AWG	Description	Kit QTY	50pc Refill
<b>Butt Connectors</b>			
24-22	Butt Connector, Clear	10	10834
20-18	Butt Connector, Red	15	10835
16-14	Butt Connector, Blue	15	10836
12-10	Butt Connector, Yellow	15	10837

### 10724 — Solder seal Connector Kit (25 items & 135 pieces)

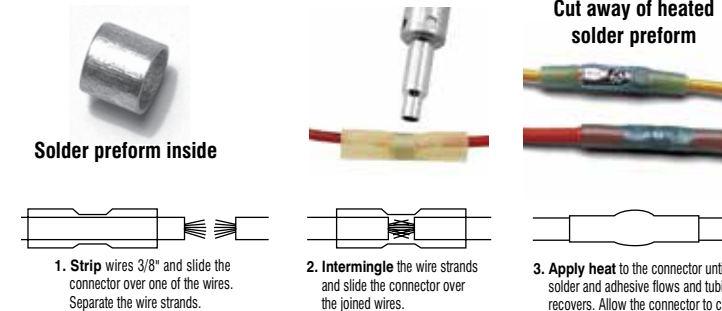
AWG	Description	Kit QTY	50pc Refill
<b>Ring Terminals</b>			
20-18	#6 Stud, Red	5	10811
20-18	#8 Stud, Red	5	10812
20-18	#10 Stud, Red	5	10813
20-18	1/4" Stud, Red	5	10814
16-14	#8 Stud, Blue	5	10818
16-14	#10 Stud, Blue	5	10819
16-14	1/4" Stud, Blue	5	10820
16-14	3/8" Stud, Blue	5	10822
12-10	#10 Stud, Yellow	5	10823
12-10	1/4" Stud, Yellow	5	10824
12-10	3/8" Stud, Yellow	5	10826
12-10	1/2" Stud, Yellow	5	10827
<b>Spade Terminals</b>			
20-18	#10 Stud, Red	5	10831
16-14	#10 Stud, Blue	5	10832
12-10	#10 Stud, Yellow	5	10833
<b>Butt Connectors</b>			
24-22	Butt Connector, Clear	5	10834
20-18	Butt Connector, Red	10	10835
16-14	Butt Connector, Blue	10	10836
12-10	Butt Connector, Yellow	5	10837
<b>Insulated Couplers</b>			
20-18	Female, .250 Tab, Red	5	10838
20-18	Male, .250 Tab, Red	5	10840
16-14	Female, .250 Tab, Blue	5	10841
16-14	Male, .250 Tab, Blue	5	10843
12-10	Female, .250 Tab, Yellow	5	10844
12-10	Male, .250 Tab, Yellow	5	10846



**10056**  
Solderseal Butt Splice Connector Minipack



**10724**  
Solder seal Connector Kit



### Specifications

- Temperature rating: -55°C to 110°C (-67°F to 230°F)
- Longitudinal change: +1, -10%
- Recovery temperature: 135°C (275°F)
- Dialectic strength: 500 Volts/Mil.
- UL Voltage Rating: 600 Volts
- Water absorption: <0.1%
- Corrosion resistance: Non-corrosive
- Fungus Resistance: Non-nutrient
- Water absorption: <0.1%

**Solder** Ultimate tensile strength • Superior conductivity

**Seal** Durable insulation • Watertight connection

### High Quality Solder & Heat-seal Connectors

- High quality, sealed solder connection that takes the guesswork out of soldering water tight connections
- Low temperature pre-measured solder with flux for greater tensile strength and superior current flow
- Uniform adhesive flow does not overflow onto terminal to impede contact
- Heat shrink tubing does not reduce in length creating better insulation along with wire superior support and strain relief
- Translucent, adhesive-lined polyolefin shrink tubing — Allows visual inspection, prevents wire corrosion and provides a water and contaminant resistant seal
- Ensures the original integrity of wire connections and wiring harnesses and conforms with OEM standards. **102 lbs tensile strength**



# Sealed Electrical Systems

## Multiseal™ Connector Assortment Kits

### 10058 - Multiseal Butt Splice Connector Minipack (3 items & 50 pieces)

AWG	Description	Kit QTY	50pc Refill
<b>Butt Connectors</b>			
20-18	Butt Connector, Red	20	11572
16-14	Butt Connector, Blue	20	11579
12-10	Butt Connector, Yellow	10	11567

### 10067 Multiseal Connector Kit (20 items & 120 pieces)

AWG	Description	Kit QTY	50pc Refill
<b>Ring Terminals</b>			
20-18	#6 Stud, Red	5	11573
20-18	#10 Stud, Red	5	11576
16-14	#10 Stud, Blue	5	11568
16-14	1/4" Stud, Blue	5	11574
16-14	3/8" Stud, Blue	5	11581
12-10	#10 Stud, Yellow	5	11569
12-10	1/4" Stud, Yellow	5	11582
12-10	3/8" Stud, Yellow	5	11570
12-10	1/2" Stud, Yellow	5	11575

### Spade Terminals

20-18	#10 Stud, Red	5	11580
16-14	#10 Stud, Blue	5	11583
12-10	#10 Stud, Yellow	5	11571

### Butt Connectors

24-22	Butt Connector, Clear	5	11566
20-18	Butt Connector, Red	10	11572
16-14	Butt Connector, Blue	15	11579
12-10	Butt Connector, Yellow	10	11567

### Insulated Couplers

20-18	Female, .250 Tab, Red	5	11577
20-18	Male, .250 Tab, Red	5	11578
16-14	Female, .250 Tab, Blue	5	11584
16-14	Male, .250 Tab, Blue	5	11585

### Specifications

- Temperature rating: -55°C to 110°C (-67°F to 230°F)
- Longitudinal change: +1, -10%
- Recovery temperature: 135°C (275°F)
- Dielectric strength: 900 Volts/Mil.
- UL Voltage Rating: 600 Volts
- Corrosion resistance: Non-corrosive
- Fungus Resistance: Non-nutrient
- Water absorption: <0.1%

**Crimp** Mechanical reliability holds wires in place

**Solder** Ultimate tensile strength • Superior conductivity

**Seal** Durable insulation • Watertight connection

## High Quality Crimp, Solder & Heat-seal Connectors

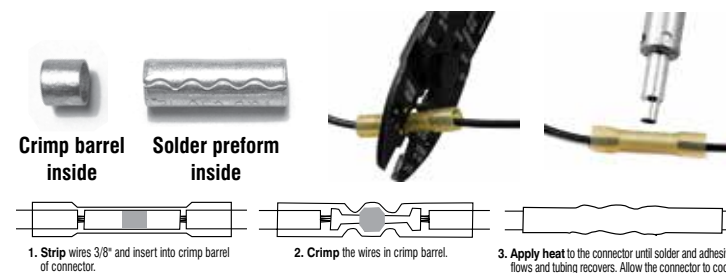
- Crimped for mechanical reliability, soldered for strength and conductivity, and heat sealed for superior durability
- Low temperature pre-measured solder with flux for greater tensile strength and superior current flow
- Uniform adhesive flow does not overflow onto terminal to impede contact
- Prevents opening of connector barrel for stronger crimp
- Heat shrink tubing does not reduce in length creating better insulation along with superior wire support and strain relief
- Translucent, adhesive-lined polyolefin shrink tubing — Allows visual inspection, prevents wire corrosion, and provides a water and contaminant resistant seal
- Color-coded tubing with wire gauge imprint — Provides easy identification of the correct part for the job
- Superior integrity of electrical systems — Sealed electrical systems ensure the original integrity of wire connections and wiring harnesses and conforms with OEM standards. **103 lbs tensile strength**



**10058**  
Multiseal Butt Splice Connector Minipack



**10067**  
Multiseal Connector Kit



# Sealed Electrical Systems

## Heat-Shrink Tubing Assortment Kits



**10061**  
Thin Wall Flexible Shrink Tubing Minipack



**10062**  
Thin Wall Flexible Shrink Tubing Kit



**10063**  
Flexible Adhesive-Lined Shrink Tubing Minipack



**10064**  
Flexible Adhesive-Lined Shrink Tubing Kit



**10065**  
Flexible Adhesive-Lined Shrink Tubing Kit

## Thin Wall Flexible Heat-shrink Tubing with No Adhesive

- Polyolefin, 2 to 1 shrink ratio
- Highly flexible for conforming to irregular shapes
- Self-extinguishing UL224 (except clear)

### Specifications

- MIL-DTL-23053/5 Class 1 (colors)
- Class 2 (clear)
- UL E35506 (except clear), CSA LR31929 (except clear)
- Recovery temp.: 121°C (250°F)
- Dielectric strength: 900 Volts/Mil.
- Continuous oper. temp.: -55°C to 135°C (-67°F to 275°F)



## Dual Wall Flexible Heat-shrink Tubing with Adhesive Lining

- Polyolefin, 3 to 1 shrink ratio
- Highly flexible for conforming to irregular shapes
- Self-extinguishing UL224 (except clear)
- Internal layer of thermo-plastic adhesive provides a barrier against contaminants

### Specifications

- MIL-DTL-23053/4 Class 3
- UL E157227
- Recovery temp.: 121°C (250°F)
- Dielectric strength: 700V/Mil.
- Continuous oper. temp.: -55°C to 110°C (-67°F to 230°F)

### 10061 — Thin Wall Flexible Shrink Tubing Minipack (9 items & 39 pieces)

Description	Kit QTY
3/16" pre-shrink I.D., 6" length, Black	5
3/16" pre-shrink I.D., 6" length, Red	5
1/4" pre-shrink I.D., 6" length, Black	5
1/4" pre-shrink I.D., 6" length, Blue	5
3/8" pre-shrink I.D., 6" length, Black	5
3/8" pre-shrink I.D., 6" length, Yellow	5
1/2" pre-shrink I.D., 6" length, Black	4
3/4" pre-shrink I.D., 6" length, Black	3
1" pre-shrink I.D., 6" length, Black	2

### 10062 — Thin Wall Flexible Shrink Tubing Kit (9 items & 103 pieces)

Description	Kit QTY
3/16" pre-shrink I.D., 6" length, Black	20
3/16" pre-shrink I.D., 6" length, Red	15
1/4" pre-shrink I.D., 6" length, Black	20
1/4" pre-shrink I.D., 6" length, Blue	10
3/8" pre-shrink I.D., 6" length, Black	10
3/8" pre-shrink I.D., 6" length, Yellow	10
1/2" pre-shrink I.D., 6" length, Black	10
3/4" pre-shrink I.D., 6" length, Black	5
1" pre-shrink I.D., 6" length, Black	3

### 10063 — Flexible Adhesive-Lined Shrink Tubing Minipack (6 items & 24 pieces)

Description	Kit QTY
1/8" pre-shrink I.D., 6" length, Black	5
1/4" pre-shrink I.D., 6" length, Black	5
3/8" pre-shrink I.D., 6" length, Black	5
1/2" pre-shrink I.D., 6" length, Black	4
3/4" pre-shrink I.D., 6" length, Black	3
1" pre-shrink I.D., 6" length, Black	2

### 10064 — Flexible Adhesive-Lined Shrink Tubing Kit (18 items & 48 pieces)

Description	Kit QTY
1/8" pre-shrink I.D., 6" length, Black	5
1/8" pre-shrink I.D., 6" length, Clear	3
1/8" pre-shrink I.D., 6" length, Red	3
3/16" pre-shrink I.D., 6" length, Black	5
3/16" pre-shrink I.D., 6" length, Clear	2
3/16" pre-shrink I.D., 6" length, Red	2
1/4" pre-shrink I.D., 6" length, Black	5
1/4" pre-shrink I.D., 6" length, Clear	2
1/4" pre-shrink I.D., 6" length, Red	2
3/8" pre-shrink I.D., 6" length, Black	5
3/8" pre-shrink I.D., 6" length, Clear	2
3/8" pre-shrink I.D., 6" length, Red	2
1/2" pre-shrink I.D., 6" length, Black	3
1/2" pre-shrink I.D., 6" length, Clear	2
1/2" pre-shrink I.D., 6" length, Red	2
3/4" pre-shrink I.D., 6" length, Black	1
3/4" pre-shrink I.D., 6" length, Clear	1
3/4" pre-shrink I.D., 6" length, Red	1

### 10065 — Flexible Adhesive-Lined Shrink Tubing Kit (12 items & 66 pieces)

Description	Kit QTY
1/8" pre-shrink I.D., 6" length, Black	10
1/8" pre-shrink I.D., 6" length, Clear	10
3/16" pre-shrink I.D., 6" length, Black	8
3/16" pre-shrink I.D., 6" length, Clear	8
1/4" pre-shrink I.D., 6" length, Black	6
1/4" pre-shrink I.D., 6" length, Clear	6
3/8" pre-shrink I.D., 6" length, Black	4
3/8" pre-shrink I.D., 6" length, Clear	4
1/2" pre-shrink I.D., 6" length, Black	3
1/2" pre-shrink I.D., 6" length, Clear	3
3/4" pre-shrink I.D., 6" length, Black	2
3/4" pre-shrink I.D., 6" length, Clear	2



**35083**  
Cutter, Stripper, Crimper

**35084**  
Crimping Tool,  
Ratcheting, Full Cycle

### Cutter, Stripper, Crimper

- Two precision-ground wire cutters: up-front anvil-type and scissors-type located behind pivot point
- Cuts, strips and crimps stranded wire in 22 to 10 AWG sizes and solid wire in 18 to 8 AWG sizes
- Cuts 6-32, 8-32, 10-32, 10-24 and 4-40 bolts and screws
- Scissors action wire stripper is precision-ground for accuracy and clean, neat stripping
- Cushioned handle for user comfort, made of heat-treated tool steel for long life, reliability and accuracy

### Ratcheting Crimper

- Crimps 22-18, 16-14 and 12-10 AWG size connectors
- Rounded crimp die area for insulated terminals
- Industry standard color-coded crimp numbers for easy size identification
- Full-cycle ratcheting handle ensures a complete crimp
- Made from heat-treated steel for long life and reliability
- Cushioned handle for user comfort

### Hand tools for heat-seal electrical connectors

Model No.	Description
35083	Cutter, Stripper, Crimper
35084	Crimp Tool, Ratcheting, Full Cycle

### Master Heat Tools

Heat has many industrial applications. The proper use of the right heat technology and the right product are necessary to achieve optimum results in each application.

Master is continually developing new products and techniques to meet the demands of new applications. Master Heat guns are designed and constructed to provide our customers with dependable, cost-effective ways to apply heat properly for specific jobs.

As a leader with over fifty years of experience in the industry, the Master Appliance name assures its customers of an uncommon expertise in heat technology, quality products and unsurpassed service.

Our original heat gun met the heating needs of the maintenance, repair, operation and production applications of its time. Today's Master Heat Tools are designed with expanded capabilities, which make it easy to work with the growing range of new materials and processes being developed by industry.

Master Heat Tools are used for drying, heating, welding, shrinking, soldering and de-soldering as well as a variety of other applications. Wherever heat is the need, Master has the answer.

Because each application is unique, the Master Heat Tool line offers options such as varying temperatures and air flow, a choice of nozzle configurations, attachments and voltage/plug combinations to meet your needs.

The introduction of new plastics, adhesives and other materials is a continuous process. The range of options and attachments offered by Master Heat Tools enables you to use the newest materials and techniques while relying on the traditional Master quality and durability.

Master is always here to help. When you're considering a new application, material or process, call Master Appliance for professional, efficient and courteous assistance.

### Applications/Processes

Master Heat Tools are being used for hundreds of applications and processes throughout industry including:

- Activate adhesives and potting compounds
- Bend and form plastics and plastic laminates
- Cure and set adhesives
- Defrost freezers and frozen coils
- Desolder backs of printed circuit boards to thru-hole components
- Dry body filler
- Dry conformal coatings on circuit boards
- Dry parts
- Expand metals
- General heating and drying applications
- Manual Prepreg Layup
- Post Heat Vinyl Wrap
- Preheat flux
- PVC bending
- Remove pin stripping
- Remove dents in fiberglass and other materials
- Remove/install plastic autobody panels
- Remove windshield caulking
- Shrink and terminate environmental splices
- Shrink and terminate heat-shrinkable insulated solder preforms
- Shrink heat-shrinkable anti-static film
- Shrink heat-shrinkable molded parts
- Shrink heavy gauge shrink packaging
- Shrink heavy wall and adhesive-lined tubings
- Smooth vinyl tops
- Solder and desolder
- Spot dry paint
- Stretch vinyls
- Strip paint
- Vinyl repair

*New applications and processes which require heat are discovered everyday. Users should independently evaluate the suitability of the product for their application. As with all electrical and butane-powered tools, for your safety, read the instruction manual before using. Product specifications are subject to change without notice.*

## Master Heat® Tool Factory Warranty

### One Year Warranty

Every Master Heat Tool comes with a one year limited warranty

Master Heat Tools are carefully tested and inspected before being shipped from the factory. We warrant our products to be free from defects in materials and workmanship, under normal use and service, for one year from the date of purchase. In the event of a defect in materials or workmanship we will either repair or replace, at our option, without charge any part which in our judgement shows evidence of such defect.

Warranty does not apply to wearable items such as attachments, brushes, heating elements, soldering tips, hot air tips, burners or ejectors, which require periodic replacement, nor does it apply if the heat tool has been misused, abused, tampered with or altered.

At the end of the warranty period, Master Appliance shall be under no further obligation, expressed or implied. Master Appliance assumes no responsibility for, and this warranty shall not cover, any incidental or consequential damages from any defect in products or their use.

This warranty gives you specific rights. Warranty information is included within the Instruction Manual for each product or may be obtained by contacting Master's Customer Service Department at 262-633-7791 or [www.MasterAppliance.com](http://www.MasterAppliance.com).

*Master Heat Tools are sold worldwide through a network of Authorized Stocking Distributors. Trained Sales and Customer Service Representatives, located at our headquarters and throughout the world, insure fast personal service. Contact us for your nearest stocking distributor or sales representative. Visit our website for up-to-date information on products, accessories, parts, warranty and repair service.*