



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MASTER[®] APPLIANCE

Designers and Manufacturers of Heat Tools for Industry

Master Heat Gun[®]

Varitemp[®]

Proheat[®]

Variair[®]

Masterflow[®]

Master-Mite[®]

Ecoheat[®]

Ultratorch[®]

Ultratip[®]

Ultratane[®]

Econolron[®]

PortaPro[®]

Multiseal[™]

Solderseal[™]

Proseal[™]



2009 - 2010

www.masterappliance.com

Master Appliance®

Table of Contents

■ Electric Heat Guns

Master and Varitemp® Series Heat Guns, Kits and Accessories

5 - 7

The original heavy-duty heat guns with rugged cast aluminum housing and powerful universal motor

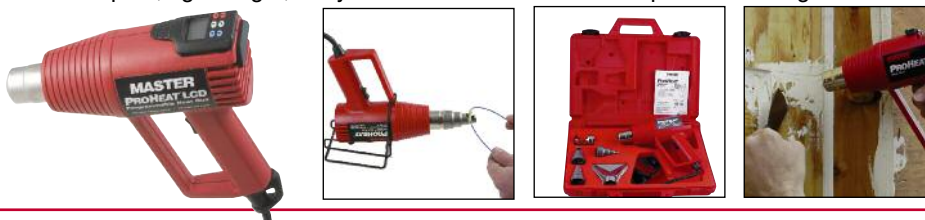


Rotating Swivel Stand

Proheat® Series Heat Guns, Kits and Accessories

8 - 12

Compact, lightweight, easy-to-use with durable Lexan® plastic housing



Ecoheat® Heat Gun, Kit and Accessories

13

Economical two temperature heat gun with resettable thermostat for overheating protection



Masterflow® Continuous-Duty Heat Blowers

13

Continuous duty heat blower with powerful 47 CFM airflow. Suitable for mounting over conveyors or on machinery



Master-Mite® and Master-Mite® ESD Continuous-Duty Bench-Top Heating Systems

14

Quiet motor with 3.8 CFM airflow provides a balance of heat and gentle airflow at the work station



■ Econolron® Butane-Powered Soldering Iron/Heat Tool and Kit

15

Economical soldering iron, flameless hot air tool and torch



■ Ultratorch® Butane-Powered Soldering Irons/Heat Tools and Kits featuring Ultratip® Technology

16 -23



■ Microtorch Butane-Powered Torches and Kits

Light-Duty Models MT-5, MT-11 • Heavy-Duty Models MT-30, MT-51, MT-70, MT-76, GT-70

24 - 27



■ Ultratane® Butane Fuel

28



■ PortaPro® Butane-Powered Hot Melt Glue Gun and Kit

29

Cordless flexibility, reaches operating temperature in less than 4 minutes, runs for over 2 hours



■ MicroPro® Light-Duty Soldering Irons

30

MP-100 Personal electric soldering iron with stand by mode

BT-30 Battery-powered for easy transport to job site



■ Heat-Seal Electrical Connectors, Shrink Tubing and Crimpers

31 - 37





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.



Master is continually developing new heat tool products, with enhanced capabilities, making it easier to work with new materials and processes used throughout industry. With over 50 years of experience, the Master name stands for extraordinary expertise in heat technology, quality products and unsurpassed service. Whether you are considering a new application, material or process or simply looking to replace an old, tired heat tool, call us for fast professional service.

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, 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.**



Master Appliance Corp.
2420 -18th Street, Racine, WI 53403-2300 U.S.A.
Sales/Customer Service: 800-558-9413
Local and International: 262-633-7791
Fax: 262-633-9745
E-mail: sales@masterappliance.com
Website: www.masterappliance.com

Engineering, Design, Research and Development

Master's goal is to provide the most advanced and rugged heat tools in the market, and the best product for your specific application. Our Heat Technology Specialists, using state-of-the art systems, tools and test & measurement equipment, are constantly striving for better heat tool designs that are ergonomic, compact and lightweight or feature heavy-duty, stable bases for mounting or bench-top use.



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.

Master Varitemp® VTS Heat Gun

Deluxe Varitemp Heat Gun with versatile pivoting stand

- Stable, deluxe heavy-duty, pivoting metal stand with non-slip rubber feet
- Unique, adjustable spring loaded slide handle with ergonomic grip
- Easy selection of multiple pivoting angles for hands-free or hands-on use, to provide the best balance and aim
- High temperature and power ratings: Ambient up to 1000°F/540°C at 1740 watts
- Variable temperature control provides easy dial-in temperatures
- Powerful high speed universal motor
- High airflow rating: 23 CFM at 3000 FPM gets the job done fast
- Sturdy die cast aluminum housing
- Double protected heating element housing
- Easily replaceable, reinforced, mica-insulated ceramic heating element
- Externally accessible carbon brush holders for quick replacement
- Three position "OFF-COLD-HOT" rocker switch
- 6 foot, 3-wire grounded cordset made with flexible, oil and sunlight resistant rubber jacket
- UL Listed. Made in USA
- Use to shrink tubing and packaging, bend plastics, cure adhesives, dry and heat parts, strip paint, defrost frozen pipes, heat sensitive materials, solder/desolder and more



Pivoting stand and adjustable slide grip handle

MASTER VARITEMP® VTS HEAT GUN				
MODEL NO.	DESCRIPTION			
VTS-750	Amb.-1000°F	Amb.-540°C	23 CFM	120V
	60 Hz	14.5A	1740W	UL
VTS-752	Amb.-750°F	Amb.-400°C	23 CFM	
	50 Hz	7A	1680W	
HAS-043K	Replacement heating element for VTS-750			
HAS-014K	Replacement heating element for VTS-752			
35257	Replacement brush, spring and cap kit (2 each)			

Optional Accessories

PART NO.	DESCRIPTION
A-160-HG	Shrink attachment for tubing up to 3/4" O.D.
A-170-HG	Shrink attachment for tubing 3/4" to 2" O.D.
35245	Three popular attachments
30202	Solder preform attachment
51309	3/8" pinpoint attachment
51542	Glass protector attachment
51543	2-1/4" spreader attachment
51544	7/8" reducer attachment

Photos of accessories shown on page 7

Specifications

- Air Volume: 23 CFM ■ Air Velocity: 3000 FPM ■ Motor: Universal
- Nozzle Opening: 1.2" I.D., 1.5" O.D. ■ Cordset: 6 ft., 3-wire grounded
- Dimensions: 9" L x 6" W x 12" H.
- Tool Net Weight: 5 lbs. ■ Shipping Weight Kit: 8 lbs.



Ergonomic handle with spring loaded slide grip



Reflector Attachment for Heat Shrinking
Deluxe stand gives more hands-free choices



Replacement Brush, Spring and Cap Kit (2 each)



Perfect for bench-top use in manufacturing and repair

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

Master & Varitemp® Heat Guns

Professional, heavy-duty, industrial quality, multiple use heat guns

- High temperature and power ratings: up to 1000°F/540°C at 1740 watts
- Varitemp model features variable temperature control which allows user to dial-in a any temperature from ambient to 1000°F/540°C
- High air flow rating: 23 CFM at 3000 FPM gets the job done fast
- Powerful high speed universal motor
- Sturdy die cast aluminum housing
- Double protected heating element housing
- Easily replaceable, reinforced, mica-insulated ceramic heating element
- Externally accessible carbon brush holders for quick replacement
- Three position "OFF-COLD-HOT" rocker switch
- Contoured, well balanced handle
- Non-slip rubber-backed base with 90° rotation
- 6 foot, 3-wire grounded cordset made with flexible, oil and sunlight resistant rubber jacket
- Optional Momentary Contact Switch
- UL Listed or CSA Certified. Made in USA
- Use to shrink tubing and packaging, bend plastics, cure adhesives, dry and heat parts, strip paint, defrost frozen pipes, heat sensitive materials, solder/desolder and more



UL
120V Models



USA
MADE IN

HG Series Master Heat Gun®

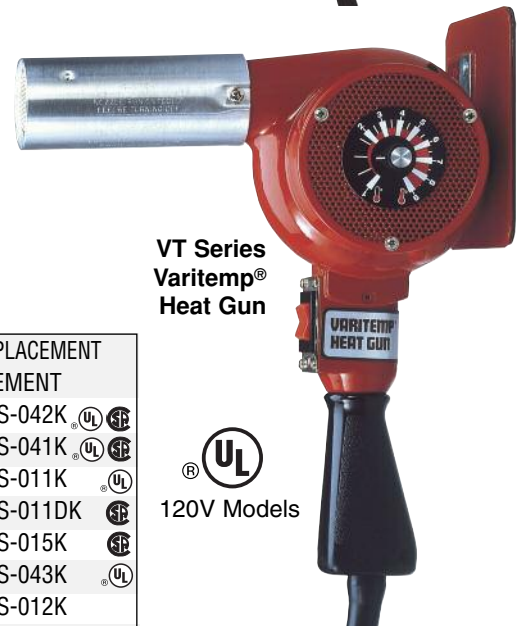
Momentary Contact Safety Switch:
if not held, will shut the unit off

An option for Master Heat Gun® models. To order add "MC" suffix to model number. Example: HG-501A-MC.

Also, many international volt-ages/cordsets available upon request.

Contact our Sales Department for appropriate model numbers.

See our website for other parts and repair service information



VT Series Varitemp® Heat Gun

UL
120V Models

MASTER HEAT GUN®								REPLACEMENT ELEMENT
MODEL NO.	DESCRIPTION							
HG-201A	200-300°F	93-150°C	23 CFM	120V	60 Hz	5A	600W	HAS-042K
HG-301A	300-500°F	150-260°C	23 CFM	120V	60 Hz	12A	1440W	HAS-041K
HG-501A	500-750°F	260-400°C	23 CFM	120V	60 Hz	14A	1680W	HAS-011K
HG-501A-D	500-750°F	260-400°C	23 CFM	120V	60 Hz	12A	1440W	HAS-011DK
HG-751A-C *	750-1000°F	400-540°C	23 CFM	120V	60 Hz	18A	2160W	HAS-015K
HG-751B	750-1000°F	400-540°C	23 CFM	120V	60 Hz	14.5A	1740W	HAS-043K
HG-202A	200-300°F	93-150°C	23 CFM	220V	50 Hz	3A	600W	HAS-012K
HG-302A	300-500°F	150-260°C	23 CFM	220V	50 Hz	6A	1440W	HAS-013K
HG-502A	500-750°F	260-400°C	23 CFM	220V	50 Hz	7A	1680W	HAS-014K
HG-752A	750-1000°F	400-540°C	23 CFM	220V	50 Hz	9A	1740W	HAS-016K
MASTER VARITEMP® HEAT GUN								REPLACEMENT ELEMENT
MODEL NO.	DESCRIPTION							
VT-750C	Amb. to 1000°F	Amb. to 540°C	23 CFM	120V	60 Hz	14.5A	1740W	HAS-043K
VT-752C	Amb. to 750°F	Amb. to 400°C	23 CFM	220V	50 Hz	7A	1680W	HAS-014K



Rotating Swivel Stand

Specifications

- Air Volume: 23 CFM
- Air Velocity: 3000 FPM
- Motor: Universal
- Nozzle Opening: 1.2" I.D., 1.5" O.D.
- Cordset: 6 ft., 3-wire grounded
- Dimensions: 9" L x 5.2" W x 10.1" H.
- Tool Net Weight: 3.7 lbs.
- Shipping Weight Tool: 5 lbs.
- Shipping Weight Kit: 10 lbs.



Replacement Heating Element



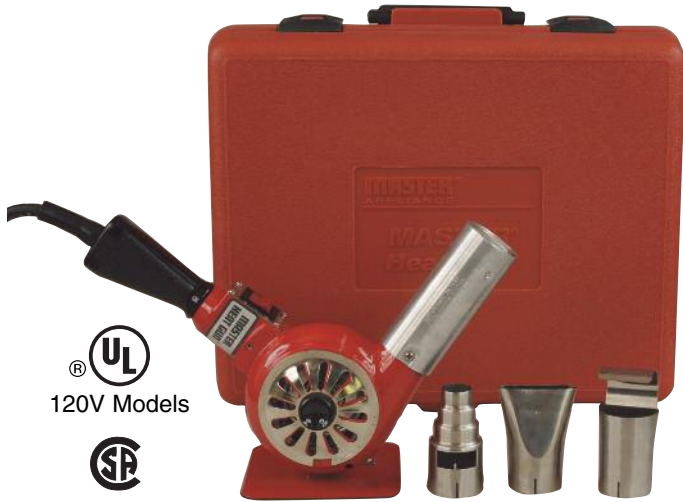
*NEMA 5-20P Plug

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

Master & Varitemp® Kits & Accessories

Add versatility to your HG & VT heat gun models

- Quality attachments are made of durable stainless steel
- Storage/carrying case protects heat gun and provides ample storage space for attachments
- Kits include a Master Heat Gun® or Varitemp® Heat Gun, A-160-HG shrink attachment, 51543 spreader attachment and 51544 reducer attachment packed in a rugged, plastic storage/carrying case



UL
120V Models
SP

Master Heat Gun® Kit



UL
120V Models

Varitemp® Heat Gun Kit

MASTER HEAT GUN® KIT									
MODEL NO.	DESCRIPTION								
HG-201AK	200-300°F	93-150°C	23 CFM	120V	60 Hz	5A	600W	UL	SP
HG-301AK	300-500°F	150-260°C	23 CFM	120V	60 Hz	12A	1440W	UL	SP
HG-501AK	500-750°F	260-400°C	23 CFM	120V	60 Hz	14A	1680W	UL	
HG-751BK	750-1000°F	400-540°C	23 CFM	120V	60 Hz	14.5A	1740W	UL	
MASTER VARITEMP® HEAT GUN KIT									
MODEL NO.	DESCRIPTION								
VT-750CK	Amb.-1000°F	Amb.-540°C	23 CFM	120V	60 Hz	14.5A	1740W	UL	

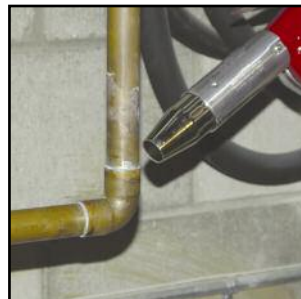
Optional Accessories

PART NO.	DESCRIPTION
A-160-HG	Shrink attachment for tubing up to 3/4" O.D.
A-170-HG	Shrink attachment for tubing 3/4" to 2" O.D.
35245	Three popular attachments
30202 *	Solder preform attachment
51013	Molded storage carrying case
51309 *	3/8" pinpoint attachment
51542	Glass protector attachment
51543	2-1/4" spreader attachment
51544	7/8" reducer attachment

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



Thaw Pipes



Solder/Desolder



A-160-HG
Shrink attachment for tubing up to 3/4"



51543
2-1/4" Spreader attachment



51544
7/8" Reducer attachment



A-170-HG
Shrink attachment for tubing 3/4" to 2" O.D.



30202 *
Solder preform attachment



51309 *
3/8" Pinpoint attachment



51542
Glass protector attachment



35245
Three of our most popular attachments



51013
Rugged, plastic storage and carrying case for HG & VT Heat Guns only

* Not for use with HG-751B or HG-752A

Proheat® LCD Programmable Heat Gun & Kit

Rugged variable air flow, variable temperature heat gun with digital display

- Compact, light weight, easy-to-use
- Six preset & customizable program settings with digital display of temperature and air flow settings
- Programmable heat and air flow removes the guess work
- Adjustable temperature in 10° increments from 130°F to 1000°F (50°C to 540°C) in your choice of degrees Fahrenheit or Celsius
- Adjustable air flow from 4 to 16 CFM (113 - 453 l/min.)
- 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
- Ergonomic handle provides balanced grip
- Temperature & Air Flow Lock-In feature provides added management control. Perfect for production applications requiring consistent application of heat.
- Power-interrupt Reset for added safety, prevents heat gun from causing damage if left in "Hot" position during power failure, when power returns
- Made in the USA. 12 month warranty
- UL Listed or CE Certified
- 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
- Multiple electrical plugs, attachments & bench stand available - see page 12

PH-1500
PH-2500



Programmable temperature and air flow controls with 6 memory functions



Quality attachments for professional applications

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

MODEL NO.	DESCRIPTION	Air Temperature	Air Velocity	Air Volume					
PH-1500	Heat Gun	130° F to 1000° F/50°C to 540° C	737-4000 FPM/213-1219m/min	4-16 CFM/113-453 l/min	120V	60 Hz	11A	1300W	UL US
PH-1500K	Heat Gun Kit	PH-1500 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details							UL US
PH-2500	Heat Gun	130° F to 1000° F/50°C to 540° C	737-4000 FPM/213-1219m/min	4-16 CFM/113-453 l/min	230V	50/60 Hz	6.2A	1426W	CE
PH-2500K	Heat Gun Kit	PH-2500 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details							CE

Specifications

- Motor: Permanent Magnet ■ Nozzle Opening: .88" I.D., 1.31" O.D.
- Cordset: 6 ft., 3-wire grounded ■ Dimensions: 8.2" L x 3.0" W x 7.3" H ■ Tool Net Weight: 1.6 lbs. ■ Shipping Weight Tool: 2 lbs.
- Shipping Weight Kit: 7 lbs.

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

Use Preset Programs or Create Your Own

Preset Program	Temp °F	Temp °C	Air Flow CFM	Heat Gun 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 Dial-in Heat Gun & Kit

Rugged variable air flow, variable temperature heat gun with digital display

- Compact, light weight, easy-to-use
- LCD with digital display of temperature and air flow settings
- Dial-in temperatures in 10° increments from 130°F to 1000°F (50°C to 540°C) displayed in degrees Fahrenheit or Celsius
- Adjustable air flow from 4 to 16 CFM (113 - 453 l/min.)
- 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
- Balanced ergonomic design and grip prevents operator fatigue
- Temperature & Air Flow Lock-In feature provides added management control. Perfect for production applications requiring consistent application of heat
- Power-interrupt Reset for added safety, prevents heat gun from causing damage if left in "Hot" position during power failure, when power returns
- Made in the USA. 12 month warranty
- UL Listed or CE Certified
- 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
- Multiple electrical plugs, attachments & bench stand available - see page 12

PH-1400
PH-2400



Dial-In variable temperature & airflow controls



Quality attachments for professional applications

Proheat LCD Dial-In Heat Gun with rugged storage case and all 5 specialty attachments

MODEL NO.	DESCRIPTION	Air Temperature	Air Velocity	Air Volume					
PH-1400	Heat Gun	130° F to 1000° F/50°C to 540° C	737-4000 FPM/213-1219m/min	4-16 CFM/113-453 l/min	120V	60 Hz	11A	1300W	UL US
PH-1400K	Heat Gun Kit	PH-1400 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details							UL US
PH-1400-1	Heat Shrink System	PH-1400 Heat Gun with bench stand (35216) and specialty connector attachment (35292)							UL US
PH-2400	Heat Gun	130° F to 1000° F/50°C to 540° C	737-4000 FPM/213-1219m/min	4-16 CFM/113-453 l/min	230V	50/60 Hz	6.2A	1426W	CE
PH-2400K	Heat Gun Kit	PH-2400 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details							CE
PH-2400-1	Heat Shrink System	PH-2400 Heat Gun with bench stand (35216) and specialty connector attachment (35292)							CE

Bench Top Heat Shrink System with Locking Controls



Specifications

- Motor: Permanent Magnet
- Nozzle Opening: .88" I.D., 1.31" O.D.
- Cordset: 6 ft., 3-wire grounded
- Dimensions: 8.2" L x 3.0" W x 7.3" H
- Tool Net Weight: 1.6 lbs.
- Shipping Weight Tool: 2 lbs.
- Shipping Weight Kit: 7 lbs.

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

Proheat® Variair® Heat Gun & Kit

Rugged variable air flow, variable temperature heat gun

- Compact, light weight, easy-to-use
- Balanced ergonomic design prevents operator fatigue
- Variable temperature 130°F to 1000°F (54°C to 540°C)
- Variable air flow 4 to 16 CFM
- Electronic closed loop temperature control system maintains constant temperature when varying air flow or using specialty attachments
- Base provides built-in stand for hands-free use
- Protective hand/switch guard and hanging loop
- Power-interrupt Reset for added safety, prevents heat gun from causing damage if left in "Hot" position during power failure, when power returns
- Made in the USA. 12 month warranty
- New 230 Volt models PH-2300, PH2300-1 & PH-2300K
- UL Listed or CE Certified
- Use to heat temperature sensitive materials including specialty connectors, solder preforms, shrink tubing and more
- Multiple electrical plugs, attachments & bench stand available - see page 12

PH-1300
PH-2300

NEW!
European Models



Separate temperature and air flow controls



Quality attachments for professional applications



Proheat Variair Heat Gun with rugged storage case and all 5 specialty attachments

MODEL NO.	DESCRIPTION	Air Temperature	Air Velocity	Air Volume						
PH-1300	Heat Gun	130° F to 1000° F/50°C to 540° C	737-4000 FPM/213-1219m/min	4-16 CFM/113-453 l/min	120V	60 Hz	11A	1300W	cULus	
PH-1300K	Heat Gun Kit	PH-1300 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details								cULus
PH-1300-1	Heat Shrink System	PH-1300 Heat Gun with bench stand (35216) and specialty connector attachment (35292)								cULus
PH-2300	Heat Gun	130° F to 1000° F/50°C to 540° C	737-4000 FPM/213-1219m/min	4-16 CFM/113-453 l/min	230V	50/60 Hz	6.2A	1426W	CE	
PH-2300K	Heat Gun Kit	PH-2300 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details								CE
PH-2300-1	Heat Shrink System	PH-2300 Heat Gun with bench stand (35216) and specialty connector attachment (35292)								CE

Specifications

- Motor: Permanent Magnet
- Nozzle Opening: .88" I.D., 1.31" O.D.
- Cordset: 6 ft., 3-wire grounded
- Dimensions: 8.2" L x 3.0" W x 7.3" H
- Tool Net Weight: 1.6 lbs.
- Shipping Weight Tool: 2 lbs.
- Shipping Weight Kit: 7 lbs.

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

Bench Top Heat Shrink System



PH-1300-1
PH-2300-1

Proheat® Varitemp® Heat Gun & Kit

Rugged variable temperature heat gun

- Compact, lightweight, easy-to-use
- Balanced ergonomic design prevents operator fatigue
- Variable temperature 130°F to 1000°F (50°C to 540°C)
- 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
- Made in the USA. 12 month warranty
- UL Listed or CE Certified
- Use to heat temperature sensitive materials including specialty connectors, solder preforms, shrink tubing
- Multiple electrical plugs, attachments & bench stand available - see page 12



PH-1200
PH-2200



Proheat Varitemp with rugged storage case and all 5 specialty attachments



Easy access variable temperature control



Quality attachments for professional applications

MODEL NO.	DESCRIPTION	Air Temperature	Air Velocity	Air Volume						
PH-1200	Heat Gun	130° F to 1000° F/50°C to 540° C	4000 FPM/1219m/min	16 CFM/453 l/min	120V	60 Hz	11A	1300W	cUL _{US}	
PH-1200K	Heat Gun Kit	PH-1200 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details								cUL _{US}
PH-1200-1	Heat Shrink System	PH-1200 Heat Gun with bench stand (35216) and specialty connector attachment (35292)								cUL _{US}
PH-2200	Heat Gun	130° F to 1000° F/50°C to 540° C	4000 FPM/1219m/min	16 CFM/487 l/min	230V	50/60 Hz	6.2A	1426W	CE	
PH-2200K	Heat Gun Kit	PH-2200 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details								CE
PH-2200-1	Heat Shrink System	PH-2200 Heat Gun with bench stand (35216) and specialty connector attachment (35292)								CE

Specifications

- Motor: Permanent Magnet
- Nozzle Opening: .88" I.D., 1.31" O.D.
- Cordset: 6 ft., 3-wire grounded
- Dimensions: 8.2" L x 3.0" W x 7.3" H
- Tool Net Weight: 1.6 lbs.
- Shipping Weight Tool: 2 lbs.
- Shipping Weight Kit: 7 lbs.

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

Bench Top Heat Shrink System



PH-1200-1
PH-2200-1

Proheat® Heat Gun, Kit & Accessories

Rugged dual temperature heat gun & momentary contact heat gun

- Compact, lightweight, easy-to-use
- Balanced ergonomic design prevents operator fatigue
- Two heat settings 500°F or 1000°F (260°C or 540°C)
- Base provides built-in stand for hands-free use
- Protective hand/switch guard and hanging loop
- New PH-1000 & PH-2000 models have Momentary Contact Switch
- UL Listed or CE Certified, 12 month warranty, Made in USA
- Use to activate adhesives, bend plastics, dry filler material, shrink tubing and more
- Multiple electrical plugs, 2 attachments & bench stand available - see below

PH-1000
PH-1100
PH-2000
PH-2100



PH-1100K
PH-2100K

Proheat Dual Temperature Heat Gun with rugged storage case and 2 attachments (35016 & 35017)

Specifications

- Motor: Permanent Magnet ■ Nozzle Opening: .88" I.D., 1.31" O.D.
- Cordset: 6 ft., 3-wire grounded ■ Dimensions: 8.2" L x 3.0" W x 7.3" H
- Tool Net Weight: 1.6 lbs. ■ Shipping Weight Tool: 2 lbs.
- Shipping Weight Kit: 7 lbs.

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

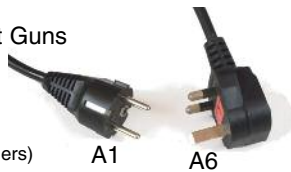
MODEL NO.	DESCRIPTION	Air Temperature	Air Velocity	Air Volume							
PH-1100	Heat Gun	500°F or 1000°F /260°C or 540°C	4000 FPM/1219m/min	16 CFM/453 l/min	120V	60 Hz	11A	1300W	UL US		
PH-1100K	Heat Gun Kit	PH-1100 Heat Gun with storage case and all 5 attachments (Part No.35309) see page 12 for details								UL US	
PH-1000	Heat Gun	1000°F /540°C	4000 FPM/1219m/min	16 CFM/453 l/min	120V	60 Hz	11A	1300W	UL US		
		with Momentary Contact Safety Switch (if not held, will shut the unit off)									
PH-2100	Heat Gun	500°F or 1000°F /260°C or 540°C	4000 FPM/1219m/min	16 CFM/453 l/min	230V	50/60 Hz	6.2A	1426W	CE		
PH-2100K	Heat Gun Kit	PH-2100 Heat Gun with storage case and 2 attachments (35017 & 35016)								CE	
PH-2000	Heat Gun	1000°F /540°C	4000 FPM/1219m/min	16 CFM/453 l/min	230V	50/60 Hz	6.2A	1426W	CE		
		with Momentary Contact Safety Switch (if not held, will shut the unit off)									

Proheat® Heat Gun Accessories

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

Note: For 230 Volt Proheat Series Heat Guns destined outside North America, add suffix A1 or A6 to model number to designate plug type.

Example: PH-2400-A1 (Continental Europe & others)
PH-2500-A6 (UK & others)



A1

A6



Nozzle Shield
Prevents nozzle contact
Part No. 35026



Bench Stand
To position heat guns for various applications
Part No. 35216



Storage Case
Rugged, plastic storage and carrying case
Part No. 35351



3-1/2" Spreader Attachment
Spread air over large area
Part No. 35016



1-3/8" Shrink Attachment
Shrink tubing
Part No. 35017



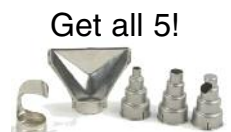
1/2" Specialty Connector Attachment*
Terminate tubing and specialty connectors
Part No. 35292



5/16" Pinpoint Attachment*
Pinpoint hot air source for desoldering and plastic welding
Part No. 35294



9/16" Reducer Attachment*
Direct hot air source for desoldering and plastic welding
Part No. 35293



Get all 5!
Attachment Kit*
Five attachments
Part No. 35309

* Not for PH-1000, PH-1100 PH-2000 or PH-2100
These models do not have "closed loop temperature features"

Ecoheat® Heat Gun & Kit

Economical, lightweight, multi-use heat gun



- Two heat settings: 500°F or 1000°F (260°C or 540°C)
- Two fan speeds - Low or High (7 or 9 CFM)
- Resettable thermostat - Automatically protects element against overheating
- Lightweight - 1 lb. - Easy to hold at any angle for long periods of time, eliminates operator fatigue
- Built-in hand guard - Protects hand and fingers. Recessed switch guards against knocks and bumps
- 3-wire grounded cordset - Positive grounding system for user safety
- Thermoplastic housing - For high impact durability
- Built-in stand - Very stable, allows user to set heat gun down in an upright position for hands-free use
- Use to bend and form plastics, dry body fillers, remove decals, spot dry paint, shrink tubing, packaging and more

MODEL NO.	DESCRIPTION
EC-100	500°F or 1000°F 260°C or 540°C 7 or 9 CFM 120V 50/60 Hz 10A 1200W cULus
EC-100K	500°F or 1000°F 260°C or 540°C 7 or 9 CFM 120V 50/60 Hz 10A 1200W cULus
35225	Kit includes EC-100 Heat Gun, 7/8" reducer attachment, 1-1/4" shrink tubing reflector, 1-15/16" and 3-1/8" spreader attachments packed in a durable storage/carrying case
35215	Attachment kit contains 7/8" reducer attachment, 1-1/4" shrink tubing reflector, 1-15/16" and 3-1/8" spreader attachments
	Durable storage/carrying case



Kit includes storage case and four specialized nozzle attachments shown left to right: 7/8" reducer, shrink tubing reflector, 1-5/16" spreader and 3-1/8" spreader

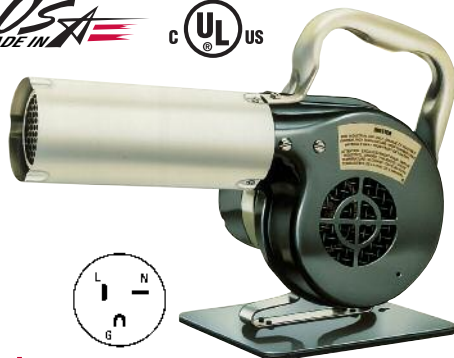
Specifications

- Air Volume: 7 or 9 CFM ■ Air Velocity: 720 or 1100 FPM ■ Motor: Permanent Magnet ■ Nozzle Opening: 1.2" I.D., 1.35" O.D. ■ Cordset: 6 ft., 3-wire grounded ■ Dimensions: 8.5" L x 3.2" W x 7.7" H
- Tool Net Weight: 2 lbs. ■ Shipping Weight Tool: 3 lbs. ■ Shipping Weight Kit: 5 lbs.

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

Masterflow® Heat Blower

Heavy-duty, industrial quality, continuous-duty heat blower



Replacement Heating Element ★ NEMA 5-20P Plug

- 3 models produce 300°F, 500°F or 750°F. High temperatures accommodate many heating, drying & shrinking applications
- High air flow: 47 CFM at 2200 FPM gets job done fast
- Brushless induction type motor for quiet, continuous-duty operation
- Easily replaceable, reinforced, mica-insulated heating element
- Rubber-backed stand permits 90° non-slip adjustability
- Use in any position or mount on equipment
- Ergonomic handle for carrying or portable use
- Mount over conveyor line or on machinery
- Use to heat or dry materials, bend plastics, shrink wrap and more

Specifications

- Air Volume: 47 CFM ■ Air Velocity: 2200 FPM ■ Motor: Induction ■ Nozzle Opening: 1.85" I.D., 2.25" O.D. ■ Dimensions: 12" L x 6" W x 9" H, (AH-301 & AH-302, 9" L x 6" W x 9" H) ■ Base Size: 6" x 6" ■ Cordset: 6 ft., 3-wire grounded ■ Net Weight: 6 lbs. ■ Shipping Weight: 8 lbs.

MODEL NO.	DESCRIPTION	REPLACEMENT ELEMENT
AH-301	300°F 150°C 120V 10.0A 60 Hz 1200 W	815 cULus
AH-501	500°F 260°C 120V 14.0A 60 Hz 1680 W	30310 cULus
AH-751 ★	750°F 400°C 120V 18.0A 60 Hz 2160 W	30312 cULus
AH-302	300°F 150°C 240V 5.2A 60 Hz 1200 W	816 cULus
AH-502	500°F 260°C 240V 7.3A 60 Hz 1680 W	30311 cULus
AH-752	750°F 400°C 240V 9.4A 60 Hz 2160 W	30313 cULus

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

Master-Mite® Heat Gun

Continuous-duty bench-top heating system

- Complete system comes standard with 650°F/343°C heating element, adjustable stand and heat shrink attachment
- Ideal heat & air flow (3.8 CFM), performs benchtop heating jobs without blowing components around the work station
- Quiet-running shaded pole motor, eliminates noisy production areas
- 3 optional easy-to-change plug-in heating elements available: 500°, 650° & 800°F
- Use to activate adhesive, cure epoxies, dry components, melt solder preforms, remove decals, shrink tubing and more



c  US
120V Model


Optional Replacement Heating Elements

PART NO.	DESCRIPTION
20012	Blue 500°F 260°C 120V 340W
20013	Silver 650°F 343°C 120V 475W
20014	Black 800°F 427°C 120V 525W
20033	Blue 500°F 260°C 220V 400W
20034	Silver 650°F 343°C 220V 450W
20035	Black 800°F 427°C 220V 500W
20160	Blue 500°F 260°C 240V 400W
20161	Silver 650°F 343°C 240V 450W
20162	Black 800°F 427°C 240V 500W



Optional Accessories

PART NO.	DESCRIPTION
30201	Solder preform attachment
40060	Heat shrink attachment
40061	1/4" pinpoint attachment
50675	Bench stand

MODEL NO.	DESCRIPTION
10008	650° F/343° C 120V 60Hz 4.5A 475W c 
10009	650° F/343° C 220V 50Hz 2.0A 450W
10010	800° F/427° C 240V 50Hz 1.9A 450W

Specifications

- Air Volume: 3.8 CFM ■ Air Velocity: 700 FPM ■ Motor: Shaded Pole ■ Nozzle Opening: .99" I.D., 1.03 O.D. ■ Cordset: 7 ft., 3-wire grounded ■ Dimensions: 8.8" L x 3.3" W x 7" H ■ Net Weight: 1.7 lbs. ■ Shipping Weight: 3 lbs.

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


Master-Mite® ESD Heat Gun

Continuous-duty ESD bench-top heating system

- Complete system comes standard with black 800°F/427°C heating element, shrink attachment and adjustable stand
- Totally grounded system with housing surface conductivity 500 ohms square. Conductive housing will not build up or hold a static charge
- Housing helps to shield against EMI & RFI (electromagnetic & radio frequency interference)
- A long-life, quiet-running, maintenance free shaded pole motor
- Low velocity air flow will not blow components around the workstation
- 3 optional interchangeable plug-in heating elements available
- Complete line of attachments available
- Use to activate adhesive, cure epoxies, dry components, melt solder preforms, remove decals, shrink tubing and more



c  US
120V Model

MODEL NO.	DESCRIPTION
10012	800°F/427°C 120V 60Hz 4.5A 525W c 
10014	800°F/427°C 100V 50/60Hz 4.9A 450W

Optional Replacement Heating Elements

PART NO.	DESCRIPTION
20012	Blue 500°F/260°C 120V 340W
20013	Silver 650°F/343°C 120V 475W
20014	Black 800°F/427°C 120V 525W

Optional Accessories

PART NO.	DESCRIPTION
30201	Solder preform attachment
40060	Heat shrink attachment
40061	1/4" pinpoint attachment
50675	Bench stand



Specifications

- Ave. Air Volume: 3.8 CFM ■ Ave. Air Velocity: 700 FPM
- Motor: Shaded Pole ■ Nozzle Opening: .99" I.D., 1.03 O.D. ■ Cordset: 7 ft., 3-wire grounded ■ Dimensions: 8.8" L x 3.3" W x 7" H ■ Housing Static Decay 5000V to <50V <0.01 sec.
- Housing Surface Res. <500 ohms/sq. ■ Net Weight: 1.75 lbs. ■ Shipping Weight: 3 lbs.

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

Econolron® EI-20

Economical, butane-powered soldering iron, flameless heat tool & torch

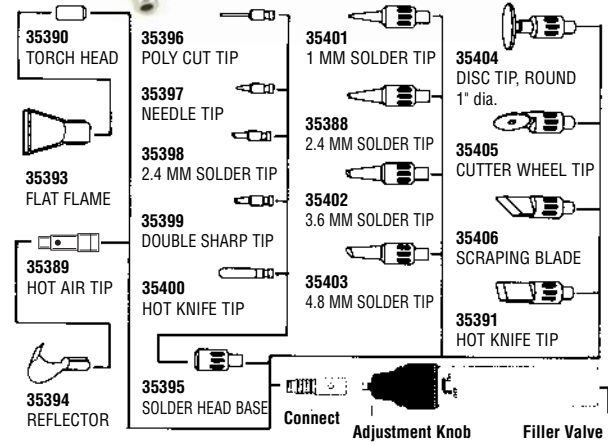
- Standard with soldering tip, hot air tip and torch tip
- Completely portable, lightweight and easy to handle
- Temperatures up to 2370°F/1300°C
- Ignite tool with flint lighter built into the cap
- Use to pinpoint flameless heat, silver solder, solder and desolder, heat shrink tubing and environmental connectors, strip insulation and cut plastics with hot knife tip, use as an open flame torch and more



MODEL NO.	DESCRIPTION
EI-20	Economical, refillable, butane-powered soldering iron, flameless heat tool and torch

Optional Accessories

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
35388	2.4 mm soldering tip (std.)	35398	2.4 mm 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	1 mm soldering tip
35392	Cap with striker wheel	35402	3.6 mm soldering tip
35393	Flat flame	35403	4.8 mm soldering tip
35394	Reflector	35404	Disc tip, round 1" dia.
35395	Solder head base	35405	Cutter wheel tip
35396	Poly cut tip – base req'd	35406	Scraping blade
35397	Needle tip – base req'd	35407	Popular accessory kit



35407 Popular accessory kit includes: 35395 Solder head base, 35396 poly cut tip, 35397 needle tip, 35398 2.4 MM solder tip, 35399 double sharp tip, 35400 hot knife tip

Refill with Master Ultratane Butane for best performance. (page 28)

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

Specifications	
■ Approx. Soldering Tip Temp.:	395° F to 780° F (200° C to 420° C)
■ Approx. Hot Air Tip Temp.:	780° F (420° C)
■ Approx. Torch Temp.:	2370° F (1300° C)
■ Equivalent to Electric Iron:	10 to 60 Watt
■ Approx. Operating Time:	60 min.
■ Fuel Tank Capacity:	.6 fl. oz. (.01 L)
■ Dimensions:	6.5" L (16.6 cm) w/o cap
■ Net Weight:	1.9 oz. (54 g)
■ Shipping Weight:	1 lb.
■ Shipped Empty	

Econolron® EI-20K

Economical, butane-powered soldering iron, flameless heat tool & torch kit

- 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 2370°F/1300°C
- 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, cut plastics with hot knife tip, use as an open flame torch and more



MODEL NO.	DESCRIPTION
EI-20K	Economical, refillable, butane-powered soldering iron, flameless heat tool and torch kit

Specifications	
■ Approx. Solder Tip Temp.:	395° F to 780° F (200° C to 420° C)
■ Approx. Hot Air Tip Temp.:	780° F (420° C)
■ Approx. Torch Tip Temp.:	2370° F (1300° C)
■ Equivalent to Electric Iron:	10 to 60 Watt
■ Approx. Operating Time:	60 min.
■ Fuel Tank Capacity:	.6 fl.oz. (.01 L)
■ Tool dimensions:	6.5" L (16.6 cm) w/o cap
■ Kit dimensions:	10" L X 5"W X 2"H (25.4 cm x 12.7 cm X 5 cm)
■ Torch Net Weight:	1.9 oz. (54 g)
■ Torch Kit Weight:	13.3 oz. (377 g)
■ Shipping Weight tool:	1 lb.
■ Shipping Weight Kit:	1 lb.(454 g)
■ Shipped Empty	



See above for more EI-20 accessories

Refill with Master Ultratane Butane for best performance. (page 28)

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

High Performance 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.

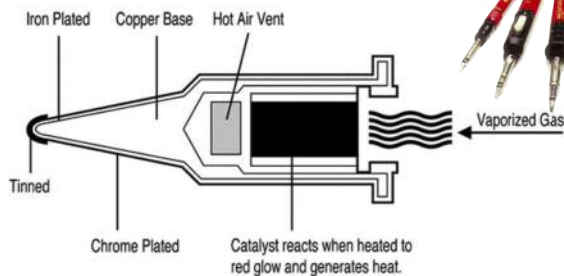
Ultratorch heat tools, with Ultratip Technology, are perfect for use with today's lead-free solders. In fact, Ultratip soldering tips have more than double the iron and chrome plating thickness of our competitors' brass based tips, providing higher thermal conductivity and much longer tip life.

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.

Ultratip Technology



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.

Ultratorch® UT-35

Economical, butane-powered, 3-in-1 soldering iron, flameless heat tool & torch

- Standard with Ultratip® soldering tip, hot air tip and protective cap
- 3-in-1 soldering iron, flameless heat tool and torch
- Completely portable, lightweight and easy to use
- Does not require cords, batteries or cartridges, just a lighter
- Adjustable temperature control for temperatures up to 1200°F
- Equivalent to a 20-60 watt electric soldering iron
- Built-in window indicates fuel level
- Refill with Master Ultratane Butane for best performance. (page 28)
- Use to pinpoint heat, remove surface mount components, repair vinyl, heat shrink tubing, solder & desolder, spot dry, strip insulation with hot knife and more



60-01-02 tip
60-01-52



MODEL NO.	DESCRIPTION
UT-35	Professional quality, economical, butane-powered soldering iron, flameless heat tool and torch

Optional Accessories

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
60P-1	.2mm needle preheat soldering tip	60-01-01	1mm diameter tapered needle tip
60P-1C	1mm tapered needle preheat soldering tip	60-01-02	3.3mm diameter chisel tip (std.)
60P-1.2D	1.2mm chisel preheat soldering tip	60-01-03	2mm diameter spade tip
60P-1.6D	1.6mm chisel preheat soldering tip	60-01-04	3mm diameter spade tip
60P-0.5B	.5mm needle preheat soldering tip	60-01-52	5.6mm O.D./4.71mm I.D. hot air tip (std.)
60-02	Protective cap (standard)	70-01-55	Heat shrink attachment
60-07U	Ejector unit	113-01-10	Hot knife tip
60-14	Knurled cap nut	60P-K	Preheat hot knife tip

Specifications

- Soldering Tip Temp.: 932° F (500° C) max
- Hot Air Tip Temp.: 1200° F (650° C) max
- Torch Tip Temp.: 2370° F (1300° C) max
- Equivalent to 20 to 60 Watt Electric Iron
- Operating Time: approx 60 min.
- Fuel Tank Capacity: 12 ML
- Dimensions: 7.3" L (185 mm) w/o cap
- Net Weight: 2.6 oz. (74g)
- Shipping Weight: 1 lb.
- Shipped Empty

Refill with Master Ultratane Butane for best performance. (page 28)

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

Ultratorch® UT-40Si & UT-40SiH

Professional quality, economical, self-igniting soldering iron & flameless heat tool

- Standard with Ultratip® soldering tip, hot air tip and protective cap
- Convenient slide switch ignition system for quick ignition
- Adjustable temperature lever for temperatures up to 1202°F
- Equivalent to a 20-80 watt electric soldering iron
- Compact size, lightweight and completely portable
- Rugged, easy-to-hold plastic body
- Butane powered with 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

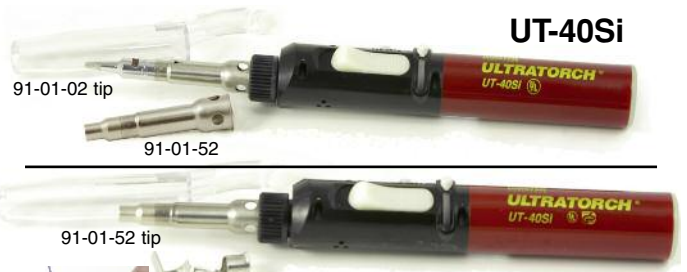
MODEL NO.	DESCRIPTION
UT-40Si	Ultratorch soldering iron/flameless heat tool
UT-40SiH	Ultratorch w/hot air tip & shrink attachment

Optional Accessories

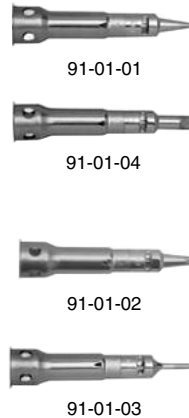
PART NO.	DESCRIPTION
SOLDERING TIPS	
91-01-01	1mm wide chisel soldering tip
91-01-02	2.4mm wide chisel soldering tip (std. Ut-40Si, Ut-40SiK)
91-01-03	2mm wide chisel soldering tip
91-01-04	5mm wide chisel soldering tip
HOT AIR TIPS AND SHRINK ATTACHMENT	
91-01-50	1.6mm wide hot air tip
91-01-52	4.7mm wide hot air tip (std. all models)
70-01-55	.5" dia. shrink attachment (std. UT-40SiH, UT-40SiK) (requires 91-01-52)
HOT KNIFE TIP	
91-01-53	Standard/with UT-40SiK
PROTECTIVE CAP & CARRYING STRAP	
91-02	Protective cap (std. all models)
70-52U	Carrying strap

Specifications

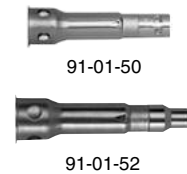
- See UT-40SiK for tool specifications



Soldering Tips



Heat Tips



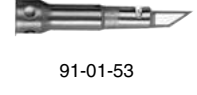
Heat Shrink Attachment



Protective Cap



Hot Knife Tip



Carrying Strap



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

Ultratorch® UT-40SiK

Professional quality, economical, self-igniting soldering iron & flameless heat tool kit

- Kit contains Ultratorch, Ultratip® soldering tip, hot air tip, hot knife tip, shrink attachment, cap, sponge and stand, packed in a rugged plastic storage/carrying case
- Convenient slide switch ignition system for quick ignition
- Adjustable temperature lever for temperatures up to 1202°F,
- 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

MODEL NO.	DESCRIPTION
UT-40SiK	Ultratorch UT-40SiK Kit

Specifications

- Approx. Soldering Tip Temp. 840° F (450° C) ■ Approx. Hot Air Tip Temp.: 1202° F (650° C) ■ Equivalent to Electric Iron: 20 to 80 Watt
- Approx. Operating Time: 1.3 hrs. ■ Fuel Tank Capacity: .5 fl. oz
- Dimensions: 8.3" L (208 mm) ■ Tool Net Weight: 2.6 oz. ■ Shipping Weight Tool: 1 lb. ■ Shipping Weight Kit: 2 lbs. ■ Shipped Empty

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



See above for more UT-40Si accessories.
Refill with Master Ultratane Butane for best performance. (page 28)

Ultratorch® UT-50

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

MODEL NO.	DESCRIPTION
UT-50	Butane-powered soldering iron, flameless heat tool and torch

Optional Accessories

PART NO.	DESCRIPTION
71-01-01	1 mm dia. tapered needle tip
71-01-02	2.4 mm dia. chisel tip (standard)
71-01-03	2 mm dia. spade tip
71-01-04	3 mm dia. spade tip
71-01-50	1.5mm dia. hot air tip
71-01-52	4.7mm dia. hot air tip (standard)
70-01-55	Heat shrink attachment
70-35	Ejector spanner wrench
70-52U	Carrying strap

Specifications

- Approx. Soldering Tip Temp.: 392° F to 842° F (200° C to 450° C)
- Approx. Hot Air Tip Temp.: 806° F (430° C) ■ Approx. Torch Tip Temp.: 2372° F (1300° C) ■ Equivalent to Electric Iron: 20 to 60 Watt ■ Approx. Operating Time: 20 min. ■ Fuel Tank Capacity: .2 fl. oz. (6 cc)
- Dimensions: 6.5" L (165 mm) ■ Net Weight: 2.2 oz. (53 g)
- Shipping Weight: 1 lb. ■ Shipped Empty

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



71-01-01



71-01-02



71-01-03



71-01-04



71-01-50



71-01-52



70-01-55



70-35



70-52U

Refill with Master Ultratane Butane for best performance. (page 28)

Ultratorch® UT-100SiEA

Self-igniting butane-powered flameless heat tool with fan assisted airflow

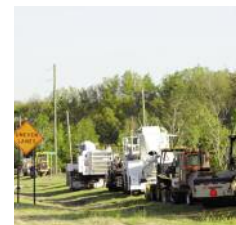
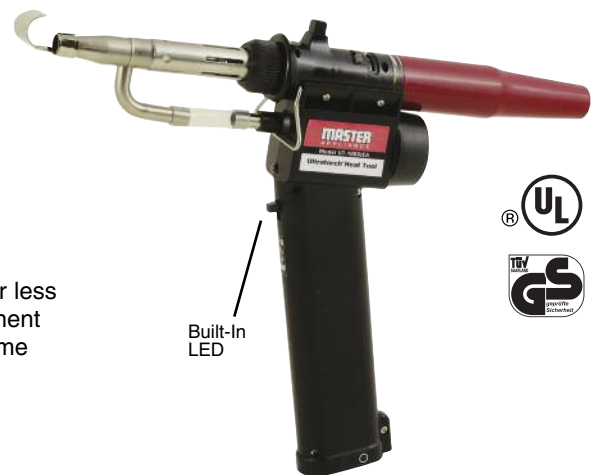
- Eliminates scorching and burning damage to shrink tubing during installation
- Variable temperature 302°F to 572°F (150°C to 300°C) with fan
- Enhanced Air Flow volume is 4 times greater with fan
- Variable temperature 482°F to 932°F (250°C to 500°C) without fan
- Butane-powered and completely portable/cordless, for use where no electrical outlets are available
- Built-in battery-powered motor uses 4 standard AA batteries
- Built-in LED light provides lighting in dark locations
- Built-in stand is convenient for safety and hands-free use
- Ideal for terminating shrink tubing and specialty connectors 10mm I.D. or less
- Use with or without enhanced air flow and with or without shrink attachment
- Ergonomic handle makes tool easy to use over an extended period of time
- UL & TUV Listed

MODEL NO.	DESCRIPTION
UT-100SiEA	Butane-powered flameless heat tool with fan assisted airflow

Specifications

- Approx. Hot Air Temp. with fan: 302° F to 572° F (250°C to 500°C)
- Approx. Hot Air Temp. without fan: 482° F to 932° F (150°C to 300°C)
- Approx. Operating Time: 100 min. ■ Fuel Tank Capacity: 1 fl. oz. (28 cc)
- Dimensions: 10.25" L (242 mm) 8.25" H (242 mm) ■ Hot Air Tip Opening: 8mm dia. ■ Net Weight: 11.25 oz. (319 g) ■ Shipping Weight: 1 lb (453g). ■ Shipped Empty

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



Ultratorch® UT-100 & UT-100-TC

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 932°F, ideal for use with today's lead-free solder
- Hot air temperature up to 1202°F, perfect for Solderseal™ environmental "heat and seal" connectors
- Torch temperatures up to 2372°F/1260°C
- Sturdy metal tank with fuel viewing window holds enough fuel for 2 hours of operation
- Refill with Master Ultratane Butane for best performance. (page 28)
- 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. (See page 20)



MODEL NO.	DESCRIPTION
UT-100-TC	Includes Ultratorch, three Ultratip soldering tips: 70-01-01, 70-01-02, 70-01-05, hot air tip: 70-01-52, shrink attachment: 70-01-55, hot knife: 70-01-16, 70-07TU torch ejector, open end wrench, 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, 70-07TU torch ejector, open end wrench, ejector, sponge and steel case

See page 20 for more tips & accessories

Refill with Master Ultratane Butane for best performance. (page 28)

Specifications

- Approx. Soldering Tip Temp.: 392° F to 932° F (200° C to 500° C)
- Approx. Hot Air Tip Temp.: 1112° F (600° C) ■ Approx. Torch Tip Temp. 2372° F (1260° C) ■ Equivalent to Electric Iron: 20 to 80 Watt ■ Approx. Operating Time: 120 min. ■ Fuel Tank Capacity: 1 fl. oz. (28 cc)
- Tool dimensions: 9.5" L (242 mm) ■ Tool Net Weight: 3.7 oz. (90 g)
- UT-100 Shipping Weight: 1 lb. ■ UT-100-TC Shipping Weight: 3 lb (131KG) ■ Shipped Empty



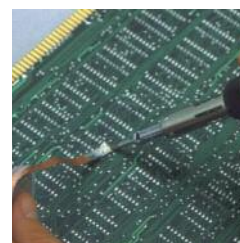
UT-100-TC

Ultratorch Professional Kit:

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-100 Ultratorch



Solder



Flameless Heat



Torch

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

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

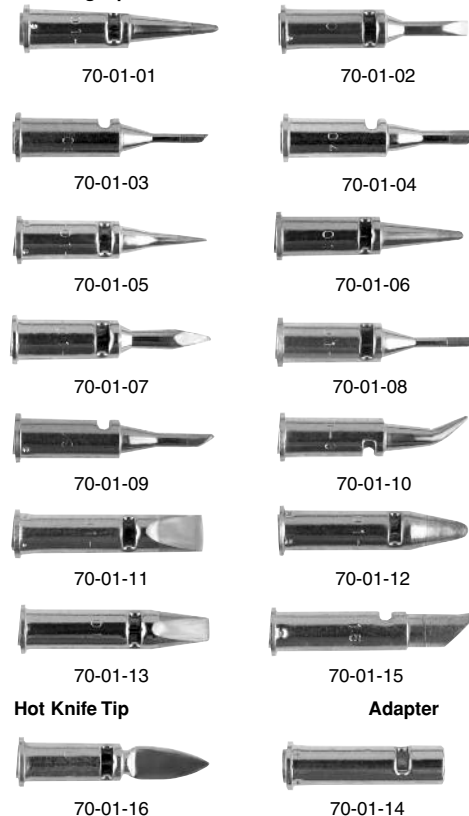
For use with UT-100 & UT-100Si Ultratorches

- 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 accessories interchangeable between all UT-100 & UT-100Si models

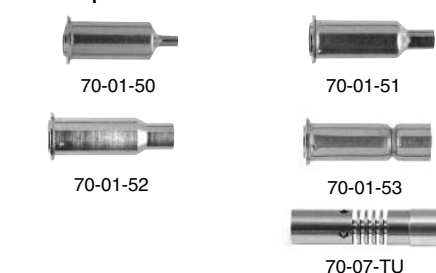
PART NO.	DESCRIPTION
SOLDERING TIPS	
70-01-01	1mm dia. tapered needle soldering tip (std. UT-100-TC, UT-100Si-TC)
70-01-02	3.3mm dia. chisel soldering tip (std., all models)
70-01-03	2mm dia. spade soldering tip
70-01-04	3mm dia. spade soldering tip
70-01-05	0.5mm dia. tapered needle soldering tip (std. UT-100-TC, UT-100Si-TC)
70-01-06	2mm dia. micro spade soldering tip
70-01-07	0.5mm dia. square tapered pyramid soldering tip
70-01-08	2mm dia. 35° spade soldering tip
70-01-09	3mm dia. 35° spade soldering tip
70-01-10	1mm dia. offset tapered needle soldering tip
70-01-11	8mm dia. high powered chisel soldering tip
70-01-12	3mm dia. high powered round head needle tip
70-01-13	.5mm dia. high powered long tapered chisel tip
70-01-15	7mm dia. 45° spade soldering tip
HOT KNIFE TIP	
70-01-16	Hot knife tip (std. UT-100-TC, UT-100Si-TC)
HOT AIR TIPS	
70-01-50	2.5 O.D./1.59 I.D. (mm) hot air tip
70-01-51	4.25 O.D./3.3 I.D. (mm) hot air tip
70-01-52	5.7 O.D./4.9 I.D. (mm) hot air tip (std. all models)
70-01-53	8.0 O.D./6.9 I.D. (mm) hot air tip
ACCESSORIES	
70-01-54	Large heat shrink attachment
70-01-55	Small heat shrink attachment (std. all models)
70-02	Protective cap (std. UT-100, UT-100-TC)
70-07TU	Ejector, torch (std. UT-100, UT-100-TC)
70-35	Ejector spanner wrench
70-37U	Tip cleaner sponge (std. with UT-100, UT-100SiK)
70-40U	Metal storage box (std. with UT-100, UT-100SiK)
70-43	Tool holder (std. with UT-100, UT-100SiK)
70-52U	Carrying strap
90-02	Protective cap (std. UT-100Si, UT-100Si-TC)
80-40	Open end wrench (std. UT-100Si, UT-100SiK and UT-100Si-TC)
ADAPTER	
70-01-14	8.4 tip adapter (4mm dia. x .7 pitch mm)

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

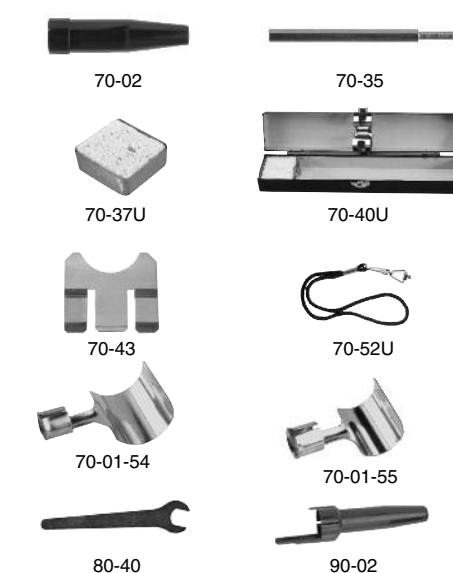
Soldering Tips



Hot Air Tips



Accessories



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

Self-igniting butane-powered soldering iron and flameless heat tool

- Dual function, self-igniting soldering iron and flameless heat tool
- 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 932°F, ideal for use with today's lead-free solder
- Hot air temperature up to 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
- 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. (See page 20)



UT-100Si-TC Ultratorch Professional Kit:

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

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

UT-100SiK Ultratorch Kit



70-01-02 tip

80-40

70-35

70-01-52

70-01-55

UT-100Si Ultratorch

70-01-02 soldering tip

90-02

80-40

70-35

70-01-52

70-01-55

Hot Knife Tip



NEW!

UT-100Si-HK Ultratorch



See page 20 for more accessories

Specifications (UT-100Si)

- Approx. Soldering Tip Temp.: 482° F to 932° F (250° C to 500° C)
- Approx. Hot Air Tip Temp.: 1202° F (650° C)
- Equivalent to Electric Iron: 20 to 80 Watt
- Approx. Operating Time: 120 min.
- Fuel Tank Capacity: 1 fl. oz. (28 cc)
- Dimensions: 10.3" L (260 mm)
- Tool Net Weight: 5.5 oz. (100 g)
- Shipping Weight UT-100Si: 1 lb
- Shipping Weight UT-100SiK: 2 lbs
- Shipping Weight UT-100Si-TC: 2 lbs
- Shipped Empty



Refill with Master Ultratane Butane for best performance. (page 28)

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

Ultratorch® UT-200, & UT-200Si

Butane-powered soldering iron/heat tools

2.6 Hour Run Time



UT-200

- Operates as a soldering iron, flameless heat tool and butane torch
- Standard with Utratip® soldering tip, hot air tip, shrink attachment and protective cap
- Equivalent to 200 watt max. electric soldering iron
- Adjustable temperatures up to 2372°F/1260°C
- 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
- Refill with Master Ultratane Butane for best performance. (page 28)
- 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, UT-200Si and UT-300Si models

2.6 Hour Run Time



UT-200Si

- Operates as a soldering iron and flameless heat tool
- Self-ignition with push button for fast, easy starting
- Standard with Utratip® soldering tip, hot air tip, shrink attachment, spanner wrenches and protective cap
- Equivalent to 200 watt max. electric soldering iron
- Adjustable temperatures up to 1004°F/540°C
- 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
- Refill with Master Ultratane Butane for best performance. (page 28)
- 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, UT-200Si and UT-300Si models



MODEL NO.	DESCRIPTION
UT-200	Butane-powered soldering iron, heat tool and torch with soldering tip, hot air tip, shrink attachment and protective cap
UT-200A	Butane-powered soldering tool with jumbo tip
UT-200Si	Self-igniting, butane-powered soldering iron/heat tool, with soldering tip, hot air tip, shrink attachment and protective cap

See page 23 for more accessories

Refill with Master Ultratane Butane for best performance. (page 28)

Specifications

- Approx. Soldering Tip Temp.: 482° F to 986° F (250° C to 530° C)
- Approx. Hot Air Tip Temp.: 1004° F (540° C)
- Approx Torch Temp UT-200 2372°F (1260°C)
- Fuel Tank Capacity: 2.2 fl. oz. (63 cc)
- Dimensions: 11.9" L (300 mm)
- Net Weight: 9 oz. (186 g)
- Shipping Weight: 1 lb.
- Shipped Empty

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



Solder



Desolder



Torch
(UT-200 only)



Flameless Heat

Ultratorch® 300Si

Butane-powered pistol grip soldering iron and flameless heat tool



- Operates as a soldering iron or flameless heat tool
- Standard with Ultratip® soldering tip, hot air tip, shrink attachment and protective cap
- Convenient slide switch ignition system for quick ignition
- Pistol grip design, great for extended use applications
- High performance soldering tip can reach approx. 932°F/500°C
- Built-in window indicates fuel level
- High capacity, can run up to 3 hours on a full tank
- Use to pinpoint heat, heat shrink tubing, solder and desolder, strip insulation, terminate specialty connectors and more
- Optional accessories interchangeable between UT-200, UT-200Si and UT-300Si models

MODEL NO.	DESCRIPTION
UT-300Si	Butane-powered soldering iron and flameless heat tool

Specifications

- Approx. Soldering Tip Temp.: 932° F (500° C) ■ Approx. Hot Air Tip Temp.: 1112° F (600° C) ■ Equivalent to Electric Iron: 200 Watt max.
- Approx. Operating Time: 180 min. ■ Fuel Tank Capacity: 2.7 fl. oz. (80cc) ■ Dimensions: 7.3" H x 6.8" L (186 mm H x 172 mm W)
- Net Weight: 9.9 oz. (352 g) ■ Shipping Weight: 1 lb. ■ Shipped Empty

Refill with Master Ultratane Butane for best performance. (page 28)

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

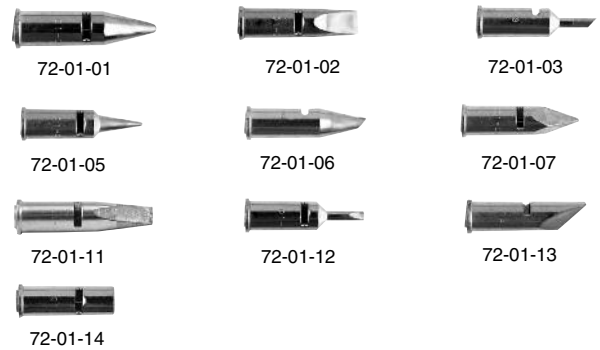
Ultratorch® UT-200, UT-200Si & UT-300Si Tips and Accessories

For use with UT-200, UT-200Si & UT-300Si 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 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, UT-200Si and UT-300Si models

PART NO.	DESCRIPTION
SOLDERING TIPS	
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
72-01-07	1.5mm dia. tapered pyramid soldering tip
72-01-11	7mm dia. chisel soldering tip (std. UT-300Si)
72-01-12	4mm dia. chisel soldering tip
72-01-13	12.5mm dia. 45° spade soldering tip
HOT AIR TIPS	
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
ACCESSORIES	
72-01-54	Heat shrink attachment 32mm wide (std. UT-300Si)
72-01-55	Heat shrink attachment 27mm wide (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)
78-02	Protective cap (std. UT-300Si only)
ADAPTER	
72-01-14	Adapter (5mm dia. x 8mm pitch) tip

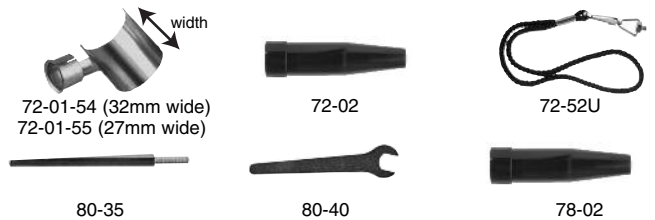
Soldering Tips



Hot Air Tips



Accessories



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

Microtorch Model MT-5

Pocket-sized, self-igniting butane-powered microtorch



- Compact pocket size that fits easily into pocket or tool kit
- Quick starting self-igniting piezo electric ignition eliminates the need for lighters or matches
- Flame resists wind and moisture and is perfect for outdoor use
- Adjustable flame height for low and high temperatures up to 2500°F/1300°C blue flame
- Safety lock and attached safety cap prevent unintentional ignition
- Hands-free mode
- Refill with Master Ultratane Butane for best performance. (page 28)
- Meets Consumer Products Safety Commission (CPSC) Child Safety Requirements
- Use to heat and ignite materials, repair glass, shrink tubing, solder and desolder, terminate specialty connectors and more

MODEL NO.	DESCRIPTION
MT-5	Pocket-sized Microtorch

Specifications

- Approx. Flame Temp. 2500° F
- Fuel Tank: Plastic, Built-in, Refillable
- Approx. Run Time: 20 min. @ max. setting
- Dimensions: 2.9" H x 1.3" W x .9" D
- Net Weight: 1.7 oz.
- Shipping Weight: 1 lb.
- Shipped Empty

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

Microtorch Models MT-11 & MT-11K

Compact palm-sized, self-igniting, butane-powered microtorch & kit



- Built-in self-igniting system with safety lock
- Temperatures up to 2500°F/1300°C
- Compact palm-sized, perfect for tool kits and field service kits
- Adjustable wind-resistant flame
- Replaceable, refillable "fuel cell" (included)
- Meets Consumer Products Safety Commission (CPSC) Child Safety Requirements
- Kit includes microtorch with empty fuel cell and 15/16 oz. can of butane packed in single shipper carton with proper D.O.T. markings
- Ships via ground transportation without hazmat charges
- Use to heat materials, ignite materials, pinpoint torch, shrink tubing, solder and desolder, terminate specialty connectors and more

MODEL NO.	DESCRIPTION
MT-11	Palm-sized Microtorch, shipped without fuel
MT-11K	Microtorch with 15/16 oz. can of butane (10448)
RC-31	Replacement fuel cell 2 pack (see page 28)

Specifications

- Approx. Flame Temp.: 2500° F
- Approx. Run Time: 20 min. @ max. setting
- Fuel Tank: Refillable Fuel Cell
- Dimensions: 4.3" H x 2.5" W x 1" D
- Net Weight: 2.1 oz.
- Shipping Weight: 1 lb.
- Shipping Weight Kit: 2 lbs.

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

Microtorch Model MT-30

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
- 60 minute continuous run time with a full charge
- Adjustable broad or pinpoint flame
- Safety lock prevents unintentional ignition, locks for storage
- Refill with Master Ultratane Butane for best performance. (page 28)
- Use to heat materials, ignite materials, pinpoint torch, shrink tubing, solder and desolder, terminate specialty connectors and more

NEW!



CE



MODEL NO.	DESCRIPTION
MT-30	Low profile table-top Microtorch

Specifications

• Approx. Flame Temp.: 2500° F • Approx. Run Time: 60 min. @ max. setting • Fuel Tank: Metal, Built-in, Refillable • Dimensions: 5.1" L x 3" W x 3.5" D • Net Weight: 12 oz. • Shipping Weight: 1 lb. ■ Shipped Empty

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

Mini-Triggertorch Model MT-70 & MT-70P

Self-igniting butane-powered heat tool

- Gas adjustment wheel provides adjustable, long blue torch flame with temperatures up to 2,500°F/1300°C
- 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
- Refill with Master Ultratane Butane for best performance (page 28)
- 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

NEW!



MODEL NO.	DESCRIPTION
MT-70	Table-Top Mini-Triggertorch
MT-70P	MT-70 Mini-Triggertorch & MT-11 Palm-sized Microtorch

Specifications

• Approx. Flame Temp.: 2500° F • Approx. Run Time: 60 min. @ max. setting • Fuel Tank: Plastic, Built-in, Refillable • MT-70 dimensions: 5.5" L x 3.8" H x 1.3" W • Net Weight: 6.4 oz. • Shipping Weight: 1 lb. ■ Shipped Empty • ■ MT-70P shipping weight 2 lbs.



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