

THE ONLY BATTERY POWERED HEAT GUN
 FIELD-TESTED BY THE U.S. NAVY &
 APPROVED FOR USE IN FUELED AIRCRAFT

MCH-100-A

BATTERY POWERED TOOL



The Malcom MCH-100-A:
 Eliminates the need for power generators,
 propane and open flames.

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 BATTERY POWERED TOOLS

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www.militaryheatguns.com

The Malcom MCH-100-A: Eliminating the need for power generators, propane, and open flames.

Malcom Company offers a full line of electric heat guns, including the portable MCH-100-A battery powered heat gun. The MCH-100-A eliminates the need for power generators propane and open flames.

Malcom heat guns are used for a variety of applications. These include shrink wrapping equipment for transport, shrink and solder sleeves, plastic welding, tent and tarp repairs, repairs to vehicle soft tops, repair of inflatable structures, flotation devices and inflatable boats as well as for wire harness repairs on aircraft and electronic repairs requiring soldering and de-soldering.

HEAT GUN

The MCH-100-A is a state-of-the-art, lightweight, portable, rechargeable battery powered heat gun designed for use in harsh environments and remote locations such as on board ships, aircraft and in the field. Repairmen can easily carry the lightweight MCH-100-A to their work location. The MCH-100-A heat gun is ideal for repairs of electrical wires, power line cables, cable harnesses and connectors that utilize heat shrink sleeves or molded heat shrink shapes.

In addition, the MCH-100-A can be utilized in the field for plastic welding commonly used in the repair of tents, plastic tanks, roofs and liners. Maximum temperature with the 300 watt heating element is 1050°F with an average of 25 minutes of continuous use with fully charged batteries. Higher temperatures can be achieved

(continued on page 3)

TECHNICAL SPECIFICATIONS

Volts: 48 volts

Watts: 300 watts

Airflow: 2.66 CFM (75 liters/min) cold air

Air Pressure:

Approximately 16mbar maximum

Temperature: 500° - 1200°F (650°C)
dependent on choice of elements

Battery: NiMH with LCD gas gauge showing charge level. Patented overheating protection system and built in voltage shut off.

Charge Cycles: Battery can be charged up to 500 times depending on use.

Charge Time: 2 hour fast charge

Battery Case Weight: Approximately 13 pounds, including case and battery.

Heat Gun Weight: Approximately 1.25 pounds, including power cable.

Dimensions: Battery pack is 9.5" x 11 x 6.25" Hot Air Tool is 9.5" long x 3 x 1.6 diameter handle.

Accessories: Nozzles for various applications, such as shrink tubes, plastic welding, specialized soldering and de-soldering and custom nozzles.

Military Standards: The MCH-100-A meets or exceeds the requirements of the MIL-STD 461D, MIL-HBK 235, MIL-STD 810 for drop, rain and salt spray. The heat gun has been tested and passed MIL-STD 810F (511.4) explosive environment.

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The MCH-100-A



with higher wattage heating elements. The MCH-100-A heat gun and battery pack components are EMI safe. The tool meets or exceeds the requirements of MIL-STD 461 specifications for radiated emissions.

The tool has been tested to MIL-STD 810 F (511.4), and is approved for use in fueled aircraft and equipment. Electrical power is supplied by a 48 volt rechargeable Nickel Metal Hydride battery pack weighing only 12 pounds. The Batteries are recharged within two hours with a portable Universal Battery Charger. The 13oz lightweight heat gun is connected to the battery case with a nine foot power cord. Many nozzle adapters are available. Also available is a durable carry case with pockets and a shoulder strap.



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BATTERIES

The battery used in the MALCOM COMPANY MCH-100-A is a 24 volt rechargeable, sealed Nickel Metal Hydride with state of charge LCD, housed in a durable high impact ABS plastic housing. Improper charging is prevented by internal temperature sensors. In addition, precise discharge and low voltage control is featured with a patented safety circuit to protect the batteries. Each battery is rechargeable up to 500 cycles depending on use.

CHARGER

The MCH-100-A 24 volt batteries can be charged with a Universal Portable Battery Charger. The battery charger is housed in an impact-resistant, molded equipment case. The battery charger is a state-of-the-art, lightweight and portable unit designed for field deployment and can recharge the MCH-100-A rechargeable batteries in two hours. **For world wide deployment, this battery charger is designed with multi-voltage input power capability from 12-240 volts.** An integral five foot power cable can be connected to the local AC supply receptacle when the unit is operated from an AC power source; separate cable assembly is provided for operation from a 24 volt DC source through a vehicle battery box slave connector. The battery charger can also be used with shipboard 400 Hz systems.



ACCESSORIES

Over 100 types of stainless steel air nozzles are now available to fit the heat gun for various hot air applications. Custom nozzles can be manufactured by MALCOM COMPANY. Also available is a durable carry case for the MCH-100-A heat gun and power supply that includes a shoulder strap and pockets for tools, nozzles and parts.

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