

Malcom

Hot Air Systems

MALCOM HOT AIR SYSTEMS Portable Battery Powered Heat gun assembly Mch-100



Volts:	48 volt
Watts:	325 watts
Airflow:	2.66 CFM (75 l/min) cold air
Air Pressure:	Approximately 16 mbar maximum
Temperature:	1000° F (550° C)
Battery:	Nickel Metal Hydride with LCD gas gauge showing charge level Patented overheating protection system and built in voltage shut off system
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, includes case and battery
Heat Gun Weight:	Approximately 1.25 pounds (includes power cable)
Dimensions:	Battery pack 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 for shrink tubes, plastic welding, specialized soldering and de-soldering and custom nozzles. A convenient carrying case with shoulder strap, tool and nozzle pockets

Available in military and non-military version. Military version meets the following US MIL-STANDARDS: MIL-STD 461D, MIL-HDBK 235, MIL-STD-810 drop and rain environment.

Prices vary depending on version, accessories and quantity ordered. Demonstrations are Available on request.

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Description of MCH100 Heat Gun

HEAT GUN The MCH-100 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 light weight MCH-100 to their work location. The MCH-100 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 can be utilized in the field for plastic welding commonly used in the repair of tents, tarps 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 a full charge. Higher temperatures can be achieved with higher wattage heating elements. The MCH-100 heat gun and the battery pack components are EMI safe and meet Mil Standard 461 specifications for radiated emissions.

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 light weight heat gun, only 13oz, is connected to the battery case with a 9 foot power cord. Many nozzle adapters are available. Also available is a durable carry case with pockets and a shoulder strap.

BATTERIES The battery used in the **MALCOM COMPANY** MCH-100 is a 24 Volt rechargeable sealed Nickel Metal Hydride with state of charge LCD, houses 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 24 volt batteries can be charged with a Universal Portable Battery Charger. The battery charger is housed in an impact-resistant molded equipment case shown on Page one. This battery charger is state-of-the-art, lightweight, portable unit designed for field deployment and can recharge the MCH-100 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 5-foot power cable can be connected to the local AC supply receptacle when the unit is operated from an AC power source; a 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 AC systems.

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

For more information and pricing on the **MALCOM COMPANY** MCH-100 please contact:

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