



**MCH-100-A
MCH-100-CE**
BATTERY POWERED HEAT GUN

**PORTABLE
HEAT SHRINKING,
PROCESS HEATING
& SOLDERING**



State of the art, battery powered heat gun designed for use in harsh environments and remote locations.

The MCH-100-A heat gun is ideal for repair of electrical wires, power line cables, cable harnesses and connectors that utilize heat shrink sleeves or molded heat shrink shapes. On-board ships, aircraft and in the field.

Malcom has delivered nearly 3,000 MCH-100-A and MCH-100-AB battery powered heat gun kits to all branches of the Department of Defense, including; Navy and Marines, Air Force, Army and National Guard, as well as NASA and Homeland Security. Our commercial customers include aerospace companies, power companies as well as gas, electric and telecommunications companies.

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|------------|-----------------|---------------|
| DEFENSE | PATENTED SAFETY | LIGHTWEIGHT |
| ENERGY | CE APPROVED | 30-MINUTE USE |
| COMPOSITES | BATTERY POWERED | 2-HOUR CHARGE |

DOWNLOAD FIELD-TEST RESULTS OR REQUEST MORE INFORMATION ONLINE

WWW.MALCOM.COM

HEAT SHRINK. PRE-HEAT. SOLDER

Maximum temperature with the included 300w heating element is 1050F (depending on nozzle used) with an average of 30-minutes of use with fully-charged batteries. Higher temperatures can be achieved with higher wattage heating elements.

FIELD-TESTED AND SAFE IN HARSH ENVIRONMENTS.

The MCH-100-A/MCH-100-CE has been tested to MIL-STD-810F method 511.4 and is approved for use on fueled aircraft and in explosive environments by NAVAIR. The heat gun and battery pack components meet the requirements of MIL-STD-461D for Radiated Emissions and are EMI safe. The tool has passed MIL-STD 810 E/F tests for drop, rain and salt-fog.

LIGHTWEIGHT POWER. 2-HOUR CHARGE.

The MCH-100-A/MCH-100-CE is powered by a 48v rechargeable Nickel Metal Hydride battery pack weighing 13lbs (5.9kg) that can be recharged in less than two hours with a portable Universal Battery Charger. The lightweight heat gun is connected to the battery pack with a nine foot (2.7m) power cord.

NOZZLES, ACCESSORIES & CUSTOMIZATION.

A Field Carry Case with padded shoulder strap and heat resistant pockets for hot tools, as well as two heat shrink nozzles are included. More than 20 additional nozzles are available for specific applications including shrink tubes, solder sleeves, LGWR, matched impedance COAX splices, plastic welding and solder/de-solder.

SOLVING PROBLEMS, SO YOU DON'T HAVE TO.

For more than twenty years and three generations, Malcom has designed, produced and distributed portable specialty tools world-wide. Today we continue this tradition, collaborating with military and commercial clients to bridge the gap between ideas and solutions. We proudly support our troops in the field with reliable tools helping to keep mission-critical equipment operational.

**Download field-test results
and detailed customer stories
online: www.malcom.com**



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MCH-100-A
MCH-100-CE (Europe) CE
NSN#: 4940-01-475-2026
48volt / 325watt

Military Standards

MIL-STD 461D, RE101, RE102 EMI
MIL-HBK 235-2B EMI RADIATED
MIL-STD 810 E/F (rain, salt fog,
drop, explosive atmosphere). See
www.malcom.com for details.

Temperature Range

500-1050F (260-566C)
*Depending on nozzle choice

Airflow & Pressure

2.66cfm (75l/minute) cold air
Approx. 16mbar maximum

Battery

48v sealed, rechargeable NiMH
2-hour charge (500 cycles)
Precise discharge/low voltage use
Patented safety circuit
LCD status display

Weights & Dimensions

CARRY CASE
(17.8lbs/8kg)
15L x 7.5W x 12H"
37 x 187.5 x 300mm
(Includes carry case w/shoulder
strap, battery, heat gun & nozzles)

HOT AIR TOOL (HEAT GUN)

1.25lbs/0.56kg
9.5L x 1.6Φ
237.5 x 40mm Φ
1'/300mm power cable

Universal Battery Charger

AC/DC input
90-230v AC / 50-400Hz
12-24v DC



GSA Contract #: GS-06F-0021T
GAGE #: 1DLV6
DUNS #: 626370423
SINS #: 051 200, 051 99