



**THE MCH-100A SOLDERING TOOL**

**PN#: MCH-116 KIT**

*NSN: 3439-01-536-6370*



**ACCESSORY # MCH-116 INCLUDES QUICK  
DISCONNECT AND 3 SOLDERING TIPS  
TO ORDER GO TO GSA ADVANTAGE OR  
CALL 401-683-3199  
WE TAKE CREDIT CARDS  
[www.malcomtechnologies.com](http://www.malcomtechnologies.com)**

# MCH-116 KIT PORTABLE SOLDERING IRON

NSN: 3439-01-536-6370  
TECHNICAL SPECIFICATIONS 4.21.2015



Figure 1 – Battery Powered Soldering Iron (MCH-116 Kit)

### Includes

The MCH-116 Kit Portable Battery Powered Soldering Iron consists of a 50 watt heating element, ergonomic wooden handle, three (3) interchangeable cone, bevel, and chisel tips, and a quick disconnect connector compatible with the MCH-100-A Battery Powered Heat Gun Kit Power Supply (PN: MCH-102NW).

### Operation

The Soldering Iron is powered by the MCH-102NW Power Supply included in the MCH-100-A Kit and can run continuously on a full charge for +4hrs. After a 6-8 minute initial ramp-up period the soldering iron can achieve temperatures between 600F and 1000F depending on the chosen tip and battery State of Charge. The Soldering Iron is designed for use as a portable soldering iron in electromagnetic sensitive environments.

Run Time *	+4 hrs
Weight	10 oz
Dimensions	9.25" L x 1.25" Dia
DC Power Supply Cord Length	6 ft (15 ft w/ MCH-102NW)
Handle Material	Wood
Element Material	Stainless steel, NiChrome Resistance element
Tip Material	Tellurium Copper Core, Iron Alloy Overplating, Pre-tinned w/ lead free solder
Connector	NC3MX-HD
Operating Temperature	+14° F TO +131° F
Storage Temperature	0° F TO +122° F
EMI and Environmental Testing	MIL-STD-461D/462D (RAD. EM. RE101 & RE102)
Temperature *	+595° F to +936° F (w/ cone tip) +595° F to +897° F (w/ chisel tip) +665° F to +1000° F (w/ bevel tip)
Power Requirements*	36 - 52 VDC, 50 Watts, 0.6-0.9 Amps

\* Actual value is dependent on the MCH-102NW Power Supply State of Charge.