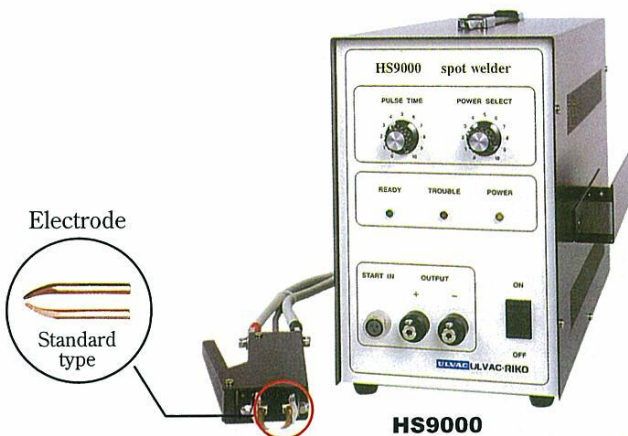


# HANDY SPOT WELDER for metal materials

Model: HS9000

## General Description

Hand Spot Welder,model : HS9000 is designed for spot welding a fine thermocouple wire onto a metal specimen such as thin sheet/plate or rod,and/or welding thin or fine metal material to other metal wire or thin sheet plate. It is also available to make a thermocouple junction.



## Constitution

1. Main body	one(1) set.
2. Handy welding gun	one(1) set.
3. Cu alloy made standard electrode including in the handy welding gun	one(1) set.
4. Instruction manual	one(1) set.

## Specification

1. System	: DC instantaneous resistance welding.
2. Welding object	: Alloy wire,foil and thin sheet(max 1mm) Note : The materials such as copper,aluminum,gold,silver and non-metals can not be welded by this welding instrument.
3. Welding power	: 80 WS(maximum 2200A).
4. Welding mode	: The pulse width of the current can be variable.
5. Welding setting(1)	: Welding output power and pulse width can be set by dial operation.
6. Welding setting(2)	: Setting of welding pressure of hand gum.
7. Power source	: AC100V, 50/60Hz, single phase, 5A(500VA).

## Optional electrodes

1. Ag-W tip type	: Materials of copper,silver,gold and aluminum can be welded by this type of electrode in limited couditions of material itself.
2. Long type	: Available to weld at a position where is deep from an edge of sheet.
3. Curved type	: Available to weld at a position where is over thick part of an edge.



1. Ag-W tip type 2. Long type 3. Curved type

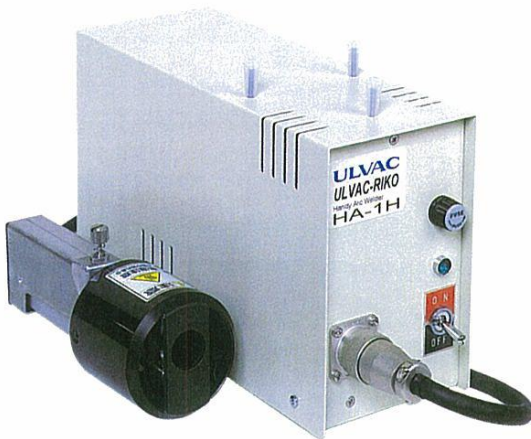


# HANDY ARC WELDER for fine thermocouple wires

Model: HA-1H

## General Description

Handy Arc Welder. model : HA-1H is designed to generate arc in the air between two carbon electrodes, which melts a fine thermocouple wire. It is available to make thermocouple junction by means of melting thermocouple wires.



HA-1H

## Constitution

1. Hand welder	one (1) set.
2. Power supply box	one (1) set.
3. Welding flux,(20cc/bottle)	one (1) bottle.
4. Welding electrode,(20 pcs/pack)	one (1) pack.
5. Instruction manual	one (1) set.

## Specification

1. System	: AC carbon arc discharge.
2. Welding power	: Arc output 60V,3A(180W).
3. Thermocouple size	: K,R,J 0.1 to 0.6mm-dia.
4. Safety devices	: Against electric shock,light shield. power supply overheat.
5. Power source	: AC100V, 50/60Hz, single phase, 5A(500VA).
6. Size	: Approx.95(W)×250(D)×180(H)mm.
7. Weight	: Approx. 2.4 kg.

● Specifications are subject to change without notice for further improvement.

Agent

**ULVAC**

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