

## VEVOR 380V

# VEVOR 400V Electric Spot Welder Instruction Manual

Model: 380V

## 1. INTRODUCTION

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Thank you for choosing the VEVOR 400V Electric Spot Welder. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your spot welding gun. Please read this manual thoroughly before use and retain it for future reference.

## 2. SAFETY INSTRUCTIONS

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**WARNING:** Improper use of this equipment can cause serious injury or death. Always follow these safety guidelines:

- **Electrical Safety:** This unit operates at 400V. Ensure proper electrical connections and grounding. Do not operate in wet conditions. Always disconnect power before performing maintenance or changing tips.
- **Personal Protective Equipment (PPE):** Always wear appropriate welding helmets, gloves, and protective clothing to shield against sparks, heat, and UV radiation.
- **Ventilation:** Ensure adequate ventilation in the work area to disperse welding fumes.
- **Fire Hazard:** Keep flammable materials away from the welding area. Have a fire extinguisher readily available.
- **Hot Surfaces:** Welding tips and workpieces will become extremely hot. Allow them to cool before handling or wear heat-resistant gloves.
- **Children and Bystanders:** Keep children and unauthorized personnel away from the welding area.
- **Inspection:** Before each use, inspect the welder for any damage to the cables, housing, or tips. Do not use if damaged.

## 3. PRODUCT OVERVIEW

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### 3.1 Components

The VEVOR 400V Electric Spot Welder package includes the following components:

- Spot Welding Gun
- Additional Pair of Welding Tips
- Hanging Strap

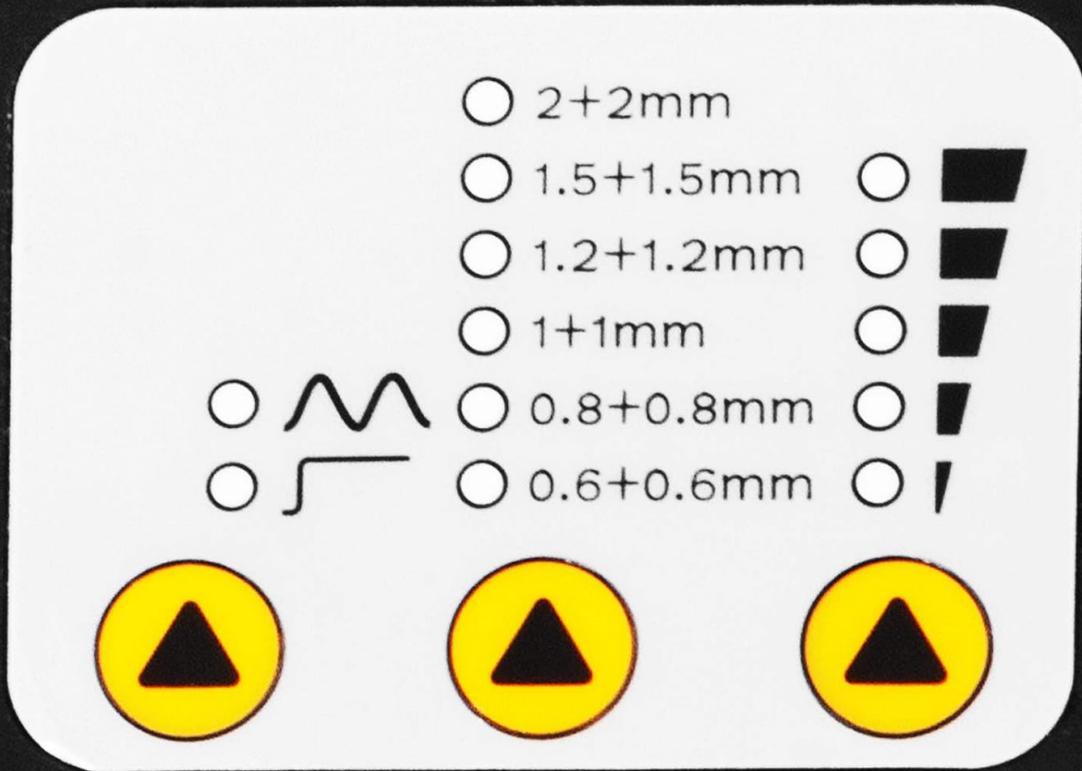
- Hex Keys (for tip replacement)



Image: The complete kit, including the spot welder, two pairs of welding tips, hex keys, and a hanging strap.

### 3.2 Key Features

- **Durable Welding Tips:** Constructed from high-quality steel for optimal welding performance.
- **Replaceable Tips:** Comes with an additional pair of welding tips for extended use. Tips can be easily replaced by twisting them off and screwing on new ones.
- **Distinct Control Panel:** Features an intuitive control panel with multiple modes for easy operation.
- **Compact Size:** Designed to be large enough for effective welding operations yet compact for convenient storage.
- **Hanging Strap:** Includes a strap for easy carrying and hands-free operation when needed.



## DISTINCT CONTROL PANEL

Image: Close-up view of the durable welding tips, designed for effective metal fusion.



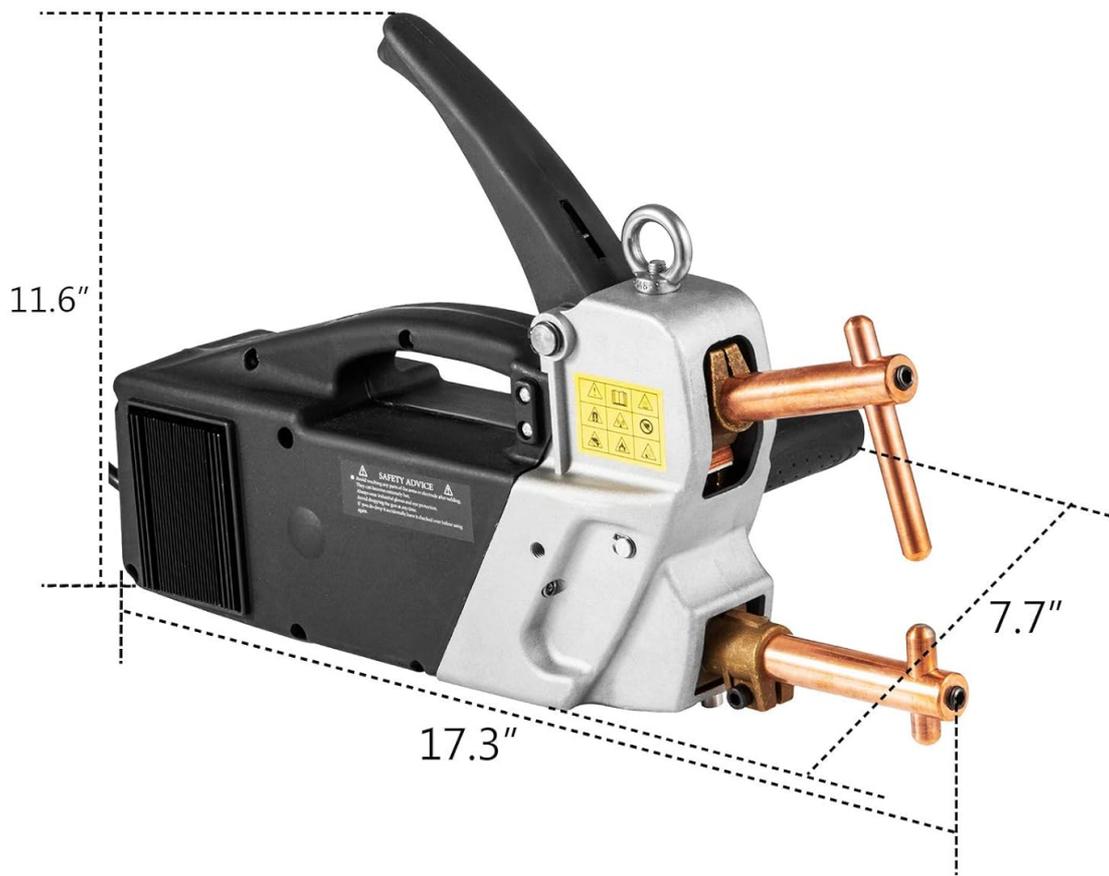
## PORTABLE HANDGRIP

Image: The control panel of the spot welder, showing various settings and mode selections for different welding tasks.



## REPLACEABLE TIPS

Image: Ergonomic handgrip for comfortable and secure handling during operation.



## COMPACT SIZE

Image: An additional pair of replaceable welding tips, highlighting their ease of installation.



## HANGING STRAP

Image: The spot welder showcasing its compact dimensions (17.3" length, 11.6" height, 7.7" width) for portability and storage.



Image: The included hanging strap, designed for convenient transport and hands-free use of the welder.

## 4. SETUP

1. **Unpack:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Tip Installation:** Ensure the welding tips are securely screwed into the gun. If replacing, twist off the old tips and screw on the new ones firmly.
3. **Power Connection:** Connect the welder to a suitable 400V power supply. Verify that the power source matches the welder's requirements. **Do not attempt to connect to a 220V or 110V household outlet.**
4. **Work Area Preparation:** Set up your work area in a well-ventilated space, free from flammable materials. Ensure you have all necessary PPE.
5. **Hanging Strap (Optional):** Attach the hanging strap to the designated points on the welder if you intend to use it for portability or hands-free operation.

## 5. OPERATING INSTRUCTIONS

This spot welder is designed for welding metal parts with a maximum thickness of 2.0 + 2.0 mm.

1. **Power On:** Connect the welder to the 400V power supply. The control panel should illuminate.
2. **Select Mode:** Use the distinct control panel to select the appropriate welding mode based on the thickness

and type of metal you are welding. Refer to the panel markings for guidance (e.g., 2+2mm, 1.5+1.5mm, etc.).

- 3. Position Workpiece:** Place the metal pieces to be welded between the welding tips. Ensure good contact between the tips and the workpiece.
- 4. Initiate Weld:** Firmly press the trigger or handle to bring the tips together and initiate the welding process. Hold until the weld cycle is complete.
- 5. Inspect Weld:** After each weld, carefully inspect the joint for strength and quality. Adjust settings as needed.
- 6. Cool Down:** Allow the welder and workpiece to cool down between welds to prevent overheating and ensure optimal performance.
- 7. Power Off:** When finished, disconnect the welder from the power supply.

## 6. MAINTENANCE

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- **Cleaning:** Regularly clean the exterior of the welder with a dry cloth. Do not use solvents or abrasive cleaners.
- **Tip Inspection and Replacement:** Inspect welding tips for wear or damage. Replace worn tips promptly to maintain welding quality. Always disconnect power before changing tips.
- **Cable Inspection:** Periodically check power cables for cuts, fraying, or damage. Replace damaged cables immediately.
- **Storage:** Store the welder in a dry, clean, and secure location when not in use.

## 7. TROUBLESHOOTING

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If you encounter issues with your VEVOR Spot Welder, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Welder does not power on	No power supply; Incorrect voltage; Damaged cable	Check power connection; Ensure 400V supply; Inspect and replace damaged cables.
Poor weld quality / No weld	Worn tips; Incorrect settings; Insufficient contact; Material too thick	Replace tips; Adjust welding mode/settings; Ensure firm contact; Verify material thickness is within 2.0+2.0mm limit.
Overheating	Continuous use; Insufficient cooling time	Allow adequate cooling time between welds; Do not operate continuously for extended periods.

If the problem persists after following these steps, please contact VEVOR customer support.

## 8. SPECIFICATIONS

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Specification	Value
Brand	VEVOR
Model Number	380V

Specification	Value
Power Source	400V
Wattage	2000 watts
Max Welding Thickness	2.0 + 2.0 mm
Item Length	120 Millimeters
Item Weight	11.3 Kilograms
Handle Material	Aluminum
Special Features	Lightweight, Portable
UPC	197988934974

## 9. WARRANTY AND SUPPORT

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VEVOR products are designed for durability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official VEVOR website. If you require technical assistance or have questions regarding your spot welder, please contact VEVOR customer support through their official channels.

**Manufacturer:** VEVOR