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› AWithZ Spot Welder Pen Tip User Manual for P Series Models (P20B, P30C, P60F, P90C, P120D)

## AWithZ UF20B/P20B/P30C/P60F/P90C/P120D

# AWithZ Spot Welder Pen Tip User Manual

For P Series Models: P20B, P30C, P60F, P90C, P120D

## INTRODUCTION

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This manual provides essential information for the proper use and maintenance of your AWithZ Spot Welder Pen Tips. Please read these instructions carefully before installation and operation to ensure safe and efficient performance. These tips are designed for compatibility with AWithZ P Series Spot Welders, including models P20B, P30C, P60F, P90C, and P120D.

## PRODUCT OVERVIEW

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**Figure 1:** AWithZ Spot Welder Pen Tip connected to a cable, illustrating the threaded design for easy replacement. The image shows the gold-colored tip, the light gray pen body, and the coiled cable.

The AWithZ Spot Welder Pen Tips are crafted from high-quality aluminum oxide copper, ensuring durability and optimal conductivity for spot welding applications. Each set includes four (4) individual pen tips, featuring a threaded design for easy and secure attachment to compatible spot welder pens.

### Key Features:

- **Material:** Aluminum oxide copper for superior performance and longevity.
- **Design:** Threaded, removable soldering pins for convenient replacement and secure fit.
- **Safety:** Constructed from high-quality materials for safe and reliable operation.
- **Quantity:** Supplied as a 4-piece set.

### SETUP

1. **Ensure Power Off:** Before handling or installing the pen tips, ensure your spot welder is completely powered off and disconnected from any power source.
2. **Identify Compatible Pen:** Confirm that your spot welder pen is compatible with threaded tips. These tips are designed for AWithZ P Series models (P20B, P30C, P60F, P90C, P120D).
3. **Remove Old Tip (if applicable):** If replacing an existing tip, carefully unscrew the old tip from the spot welder pen.
4. **Install New Tip:** Take one of the new aluminum oxide copper pen tips. Align the threads of the tip with the threads on the spot welder pen. Gently screw the tip clockwise until it is securely fastened. Do not overtighten.
5. **Inspect Connection:** Visually inspect the connection to ensure the tip is firmly seated and there is no wobble. A secure connection is crucial for optimal performance and safety.

## OPERATING INSTRUCTIONS

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Once the pen tip is securely installed, refer to your specific AWithZ P Series Spot Welder manual for detailed operating procedures. The pen tips themselves do not require specific operational steps beyond proper installation. Always follow the safety guidelines provided with your spot welder.

### General Usage Tips:

- Ensure the workpiece is clean and free of contaminants for best welding results.
- Apply appropriate pressure during welding as recommended by your spot welder's instructions.
- Monitor tip condition regularly for wear and tear.

## MAINTENANCE

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Regular maintenance of your spot welder pen tips will extend their lifespan and ensure consistent welding quality.

- **Cleaning:** After each use, gently clean the tip to remove any residue or buildup. A fine-grit abrasive or specialized tip cleaner can be used. Ensure the welder is off and cooled before cleaning.
- **Inspection:** Periodically inspect the tips for signs of wear, pitting, or deformation. Worn tips can lead to poor weld quality and increased resistance.
- **Replacement:** Replace tips when they show significant wear or damage. The threaded design allows for easy replacement. Always use genuine AWithZ replacement tips to maintain performance and compatibility.
- **Storage:** Store unused tips in a dry, clean environment to prevent oxidation and damage.

## TROUBLESHOOTING

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Most issues related to the pen tips can be resolved by ensuring proper installation and maintenance.

Problem	Possible Cause	Solution
Poor weld quality / Inconsistent welds	Worn or dirty tip; Loose tip connection; Incorrect welding parameters (from spot welder)	Clean or replace tip; Ensure tip is securely tightened; Refer to your spot welder's manual for parameter adjustment.
Tip overheating quickly	Loose connection; Excessive current/duration (from spot welder); Tip wear	Tighten tip; Adjust spot welder settings; Replace tip if worn.
Difficulty attaching/removing tip	Cross-threaded; Debris in threads	Ensure proper alignment when threading; Clean threads on both tip and pen.

If issues persist after following these steps, consult the manual for your AWithZ P Series Spot Welder or contact AWithZ customer support.

## SPECIFICATIONS

- **Brand:** AWithZ
- **Model Compatibility:** AWithZ P Series (P20B, P30C, P60F, P90C, P120D)
- **Material:** Aluminum Oxide Copper
- **Design:** Threaded, Removable
- **Quantity:** 4 Pieces per set
- **Item Weight:** Approximately 4.8 ounces (total package)
- **Package Dimensions:** Approximately 1.97 x 1.18 x 0.6 inches
- **Included Components:** Pen Tip
- **Batteries Required:** No

## WARRANTY AND SUPPORT

Specific warranty information for the AWithZ Spot Welder Pen Tips is not provided in this document. For details regarding warranty coverage, returns, or technical support, please refer to the documentation included with your AWithZ P Series Spot Welder or visit the official AWithZ website. You may also contact AWithZ customer service directly for assistance.