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› SEESII SE209-26Q1 Portable Battery Spot Welder User Manual

Seesii SE209-26Q1

SEESII SE209-26Q1 Portable Battery Spot Welder User Manual

Model: SE209-26Q1

1. INTRODUCTION

Thank you for choosing the SEESII SE209-26Q1 Portable Battery Spot Welder. This device is designed for efficient and precise spot welding of nickel-plated sheets and pure nickel sheets, primarily for assembling and repairing battery packs. Its compact, wireless design and advanced features make it suitable for both DIY enthusiasts and professionals. Please read this manual thoroughly before operation to ensure safe and optimal use.

FARBDISPLAY KLAR UND INTUITIV

Echtzeit-Informationen, übersichtlich auf einen Blick

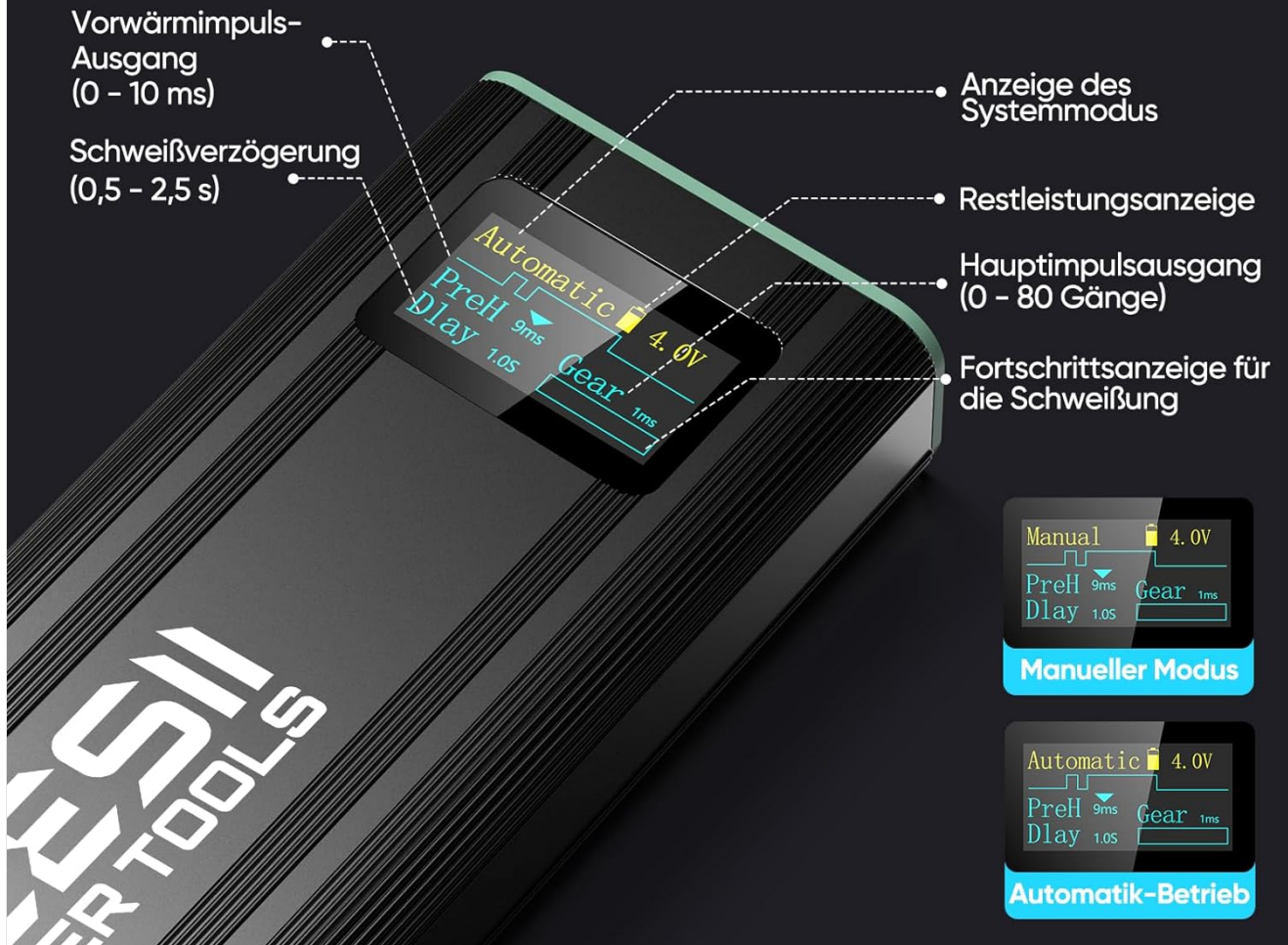


Image 1.1: The SEESII SE209-26Q1 Portable Spot Welder, a compact, handheld device with a digital display.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the device:

- **Eye Protection:** Always wear appropriate eye protection (e.g., welding goggles or safety glasses) to shield against sparks and bright flashes during welding.
- **Ventilation:** Ensure adequate ventilation in your workspace to disperse any fumes produced during welding.
- **Battery Handling:** Handle batteries with care. Avoid short-circuiting batteries, puncturing them, or exposing them to extreme temperatures.
- **Flammable Materials:** Keep the welding area clear of flammable materials, liquids, and gases.
- **Device Condition:** Do not operate the device if it is damaged or malfunctioning. Contact support for assistance.
- **Overheat Protection:** The device features overheat protection, automatically stopping welding if the temperature exceeds 65°C. Allow the device to cool down before resuming operation.
- **Children and Pets:** Keep the device out of reach of children and pets.

3. PRODUCT OVERVIEW

3.1 Included Components

The package includes the following items:

- SEESII Portable Spot Welder (x1)
- USB-C Cable (x1)
- Replacement Welding Tips (x2)
- Abrasive File (x1)
- Nickel Sheet (0.15 × 5m) (x2 rolls)
- User Manual (x1)

TRAGBAR UND PRAKTISCH, ÜBERALL UND JEDERZEIT

Idealer Begleiter im Elektrowerkzeugkasten.



▶ Zylindrisches Akkuschiessen



▶ Handy-Akku-Punktschiessen



▶ Knopfbatterie Punktschiessen



▶ Handgemachtes DIY

Image 3.1: All items included in the SEESII SE209-26Q1 spot welder package.

3.2 Key Features

- **Wireless and Portable Design:** Integrated 3000mAh rechargeable battery for wireless operation and easy portability, allowing flexible use anytime, anywhere without cable constraints.

- **Display Screen:** Real-time voltage, speed settings, and welding mode are clearly displayed, simplifying operation steps and ensuring precise adjustments for stable welding results.
- **80 Adjustable Speeds:** Ensures precise regulation of welding power, perfectly adapting to nickel sheets of different thicknesses. Maximum welding thickness: 0.2mm for nickel-plated sheets and 0.15mm for pure nickel sheets.
- **Reusable Abrasive File:** Equipped with a reusable file to remove carbon deposits from the welding tip, maintaining stable welding performance and extending tip lifespan.
- **Durable Aluminum Casing:** Features a robust aluminum casing that enhances texture and durability, resisting wear for reliable long-term use.
- **Two Operating Modes:** Freely switch between automatic and manual modes, allowing flexible operation adapted to different welding needs.
- **Overheat Protection Function:** Automatically stops welding when the device temperature exceeds 65°C, ensuring safe and reliable use.

80 GÄNGE

KRAFT FÜR PRÄZISES SCHWEISSEN

Schweißt mühelos **0,1 - 0,2 mm** dicke Nickelbleche für perfekte Akkupacks

1	Getriebe	1,0-1,9	▶	
20	Getriebe	2,0-2,9	▶	
30	Getriebe	3,0-3,9	▶	
...				
60	Getriebe	6,0-6,9	▶	
70	Getriebe	7,0-7,9	▶	
80	Getriebe	8,0 max.	▶	



Image 3.2: Close-up of the spot welder's color display showing real-time voltage, welding mode, pre-pulse delay, and gear settings.



Hauptsächlich zum Schweißen der Nickelplatte von 18650, 32650 zylindrischen Batterien verwendet
Und schweißbare Handy-Akkus



KOMPATIBEL MIT VERSCHIEDENEN BATTERIETYPEN



Image 3.3: Comparison illustrating the compact, integrated design of the SEESII spot welder versus a traditional spot welder with external probes.

4. SETUP

- 1. Charge the Device:** Before first use, fully charge the spot welder using the provided USB-C cable and a compatible power adapter (not included). The display will indicate charging status.
- 2. Attach Welding Tips:** Ensure the welding tips are securely inserted into the device. The tips should be clean and free of oxidation.
- 3. Prepare Nickel Sheet:** Cut the nickel sheet to the required size. Ensure the surface of the nickel sheet and the battery terminals are clean and free of dirt, oil, or rust for optimal conductivity.
- 4. Power On:** Long press the power button to turn on the spot welder. The display will illuminate, showing current settings.



Image 4.1: Visual guide for basic setup and operation steps.

5. OPERATING INSTRUCTIONS

5.1 Selecting Welding Mode and Power

- **Mode Selection:** The device supports both automatic and manual welding modes. Use the designated button (refer to the display interface) to switch between modes.
- **Adjusting Power (Gear):** The spot welder offers 80 adjustable power levels (gears). Adjust the gear setting based on the thickness of the nickel sheet and the desired weld strength. Start with lower settings and gradually increase if needed.
- **Recommended Thicknesses:**
 - Nickel-plated sheets: Up to 0.2 mm
 - Pure nickel sheets: Up to 0.15 mm



Image 5.1: Illustration of weld spot appearances across different power levels (gears) for 0.1-0.2mm nickel sheets.

5.2 Welding Technique

1. Place the nickel sheet flat on the battery terminal.
2. Position the two welding tips firmly and evenly on the nickel sheet, ensuring good contact. Maintain an angle of approximately 45-60 degrees for optimal contact and weld quality.
3. In automatic mode, the device will detect contact and initiate the weld automatically. In manual mode, press the trigger button to initiate the weld.
4. Observe the weld spot. A good weld should be clean, strong, and not easily detached. Adjust power settings if the weld is too weak or too strong.
5. Repeat the process for all desired weld points.

EFFET D'AFFICHAGE DE SOUDURE DE TOUS LES ENGRENAGES

- 1 Engrenage 1,0-1,9 ▶ 
- 20 Engrenage 2,0-2,9 ▶ 
- 30 Engrenage 3,0-3,9 ▶ 
- ...
- 60 Engrenage 6,0-6,9 ▶ 
- 70 Engrenage 7,0-7,9 ▶ 
- 80 Engrenage 8,0 max. ▶ 

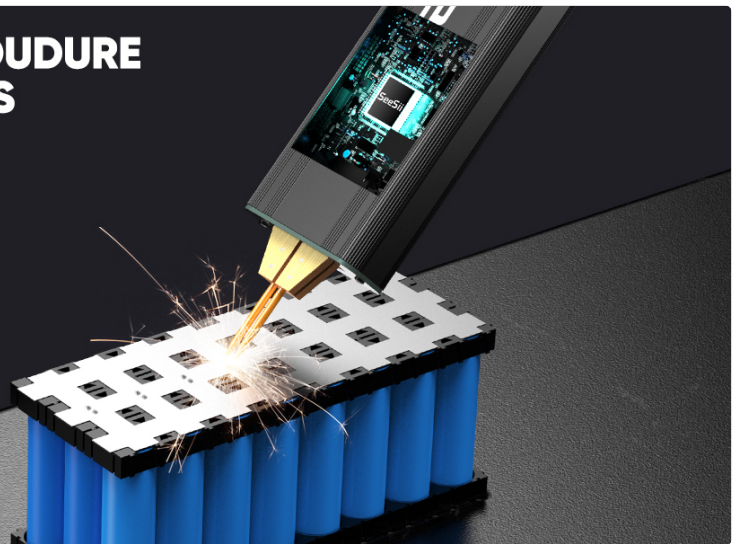


Image 5.2: A close-up view of the spot welder in operation, creating a weld on a battery pack.



Image 5.3: A technician using the SEESII spot welder to assemble a battery pack.

EINFACHE BEDIENUNG, BENUTZERFREUNDLICH

0,1 - 0,2 MM DICKE



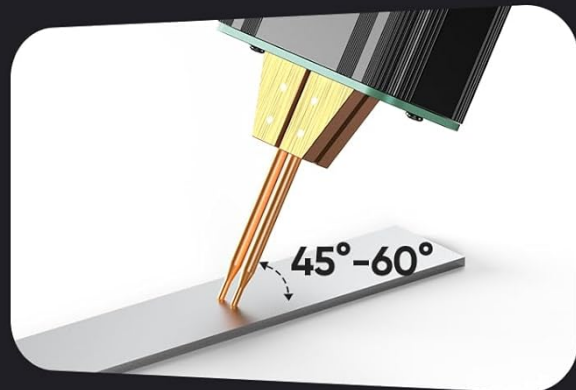
1 Langes Drücken zum Öffnen des Punktschweißers



2 Wählen Sie das Schweißmaterial



3 Gang und Modus wählen



4 45° - 60° Winkel einfaches Schweißen

Image 5.4: The spot welder is compatible with various battery types, including 18650, 32650 cylindrical batteries, and smartphone batteries.

6. MAINTENANCE

- **Clean Welding Tips:** Regularly inspect the welding tips for carbon buildup or oxidation. Use the provided abrasive file to gently clean the tips, ensuring good electrical contact and consistent weld quality. Replace tips when they become excessively worn.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Charge the battery regularly, even if not in use for extended periods. Store the device in a cool, dry place.
- **Device Cleaning:** Wipe the device exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the spot welder in a dry environment, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your SEESII spot welder, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Poor or inconsistent welds	Dirty or worn welding tips, incorrect power setting, poor contact, dirty nickel sheet/battery terminals.	Clean or replace welding tips. Adjust power (gear) setting. Ensure firm and even contact. Clean surfaces to be welded.
Device not turning on	Low battery, faulty power button.	Charge the device fully. If the problem persists, contact customer support.
Device stops welding unexpectedly	Overheat protection activated.	Allow the device to cool down. Reduce welding frequency or use lower power settings if possible.
Sparks but no weld	Insufficient power, poor contact, incorrect material.	Increase power (gear) setting. Ensure firm and even contact. Verify material is suitable for spot welding (nickel or nickel-plated).

If you cannot resolve the issue using the troubleshooting guide, please contact SEESII customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Manufacturer	SEESII
Model Number	SE209-26Q1
Package Dimensions	28.1 x 8.5 x 4.2 cm
Weight	510 grams
Battery Type	1 Lithium-ion (included)
Power Source	Battery Powered
Adjustable Speeds	80 Gears
Max Welding Thickness (Nickel-plated)	0.2 mm
Max Welding Thickness (Pure Nickel)	0.15 mm
Overheat Protection	Automatic shutdown at >65°C

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official SEESII website. Keep your purchase receipt as proof of purchase.

No official product videos were provided in the product data. Please check the manufacturer's official website or product page for any available video tutorials or demonstrations.

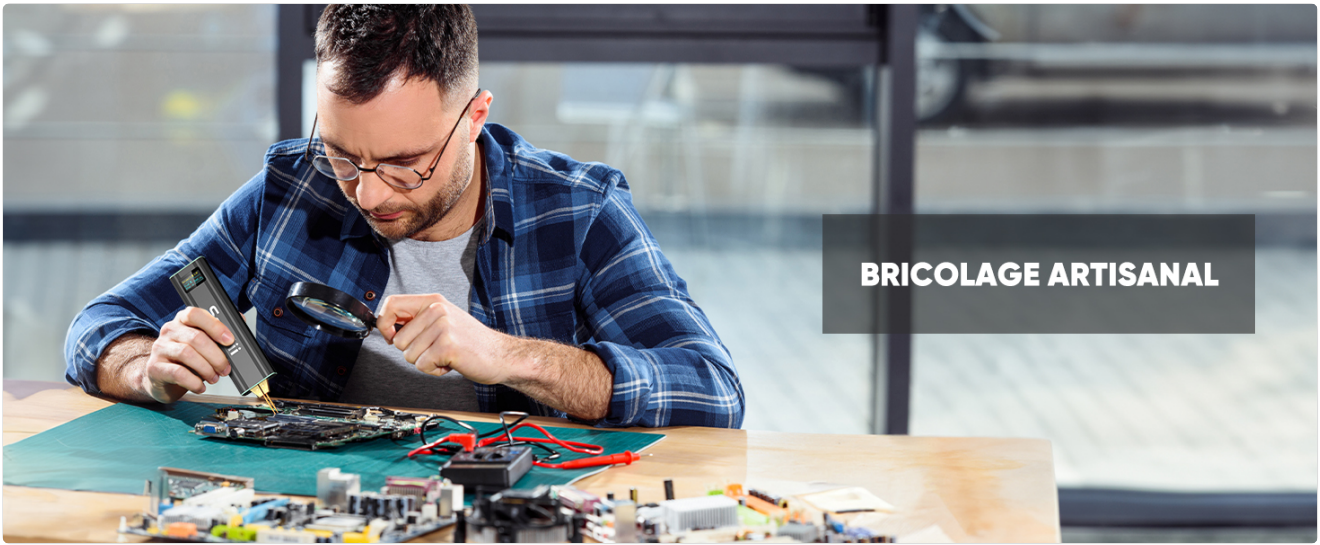


Image 9.1: The SEESII spot welder is ideal for various DIY electronics projects.