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FITHOOD CS-SDC500SL

FITHOOD Replacement Battery for SOKKIA BDC25B Total Stations

Model: CS-SDC500SL

Introduction

This instruction manual provides essential information for the safe and effective use of your FITHOOD replacement Ni-MH battery, model CS-SDC500SL. This battery is designed as a compatible replacement for SOKKIA BDC25B and other specified SOKKIA Total Station batteries. Please read this manual thoroughly before initial use and retain it for future reference.

Important Safety Instructions

Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the battery or device. Always handle batteries with care.

- **Do Not Disassemble:** Do not attempt to disassemble, open, or service the battery pack. Unauthorized tampering can lead to hazards.
- **Proper Replacement:** Replace only with the battery pack designated for this product. Using incompatible batteries may cause damage or safety risks.
- **Avoid Physical Damage:** Do not crush, puncture, or short external contacts. Avoid dropping the battery.
- **Temperature Control:** Do not dispose of in fire or water. Do not store above 60°C (140°F). High temperatures can cause the battery to explode or leak.
- **Initial Charge:** A new battery pack must be fully charged before its first use to ensure optimal performance and lifespan.
- **Read Device Instructions:** To reduce the risk of fire or burns, always read the operating guide of your SOKKIA Total Station before using this battery.
- **Environmental Compliance:** This battery is RoHS approved, ensuring it is free from hazardous substances.

Setup

Follow these steps for initial setup of your replacement battery.

1. **Unpack the Battery:** Carefully remove the battery from its packaging. Inspect it for any visible damage.
2. **Initial Charge:** Before first use, fully charge the battery using a compatible SOKKIA charger designed for BDC25 series batteries. Refer to your SOKKIA Total Station's manual for specific charging instructions.

3. **Installation:** With the SOKKIA Total Station powered off, open the battery compartment. Align the battery with the contacts and gently insert it until it clicks securely into place. Ensure a firm connection.
4. **Compatibility Check:** Verify that the battery model (CS-SDC500SL) and part number (BDC25) match the requirements of your SOKKIA Total Station model (e.g., ET 5A, ET 5E, ET 5F, ET 5FS, ET 5S, ET 5W).



Image: FITHOOD CS-SDC500SL Ni-MH Replacement Battery. This image shows the overall design and form factor of the battery, ready for installation into a compatible SOKKIA Total Station.

Operating

Once installed and fully charged, the battery is ready for operation within your SOKKIA Total Station.

- **Power On:** Turn on your SOKKIA Total Station as per its operating manual. The device should recognize the battery and display its charge level.
- **Monitor Charge:** Regularly monitor the battery charge level displayed on your Total Station. Avoid completely draining the battery to prolong its lifespan.
- **Optimal Performance:** For best performance, operate the Total Station within its recommended temperature range. Extreme cold or heat can affect battery efficiency and capacity.

Maintenance

Proper maintenance ensures the longevity and reliability of your battery.

- **Regular Charging:** Recharge the battery after each use or when the charge level is low. Ni-MH batteries benefit from regular charging cycles.
- **Storage:** If storing the battery for an extended period, charge it to approximately 50-70% capacity. Store in a cool, dry place, away from direct sunlight and extreme temperatures (below 60°C / 140°F).
- **Clean Contacts:** Periodically inspect and clean the battery contacts and the contacts within the Total Station's battery compartment using a clean, dry cloth. This ensures good electrical connection.
- **Disposal:** Do not dispose of used batteries in household waste. Follow local regulations for proper recycling of Ni-MH batteries. Many electronics retailers or municipal waste centers offer battery recycling services.

Troubleshooting

If you encounter issues with your battery, consider the following common solutions:

- **Battery Not Charging:**
  - Ensure the charger is properly connected to a power source and the battery.
  - Check for any debris or corrosion on the battery and charger contacts and clean them if necessary.
  - Verify that the charger is compatible with Ni-MH batteries and the SOKKIA BDC25 series.
- **Short Operating Time:**
  - Ensure the battery was fully charged before use.
  - Ni-MH batteries can experience a memory effect if not fully discharged periodically. Consider performing a full discharge/recharge cycle if this is a recurring issue.
  - Battery capacity naturally degrades over time and with many charge cycles. If the battery is old, replacement may be necessary.
- **Battery Not Fitting:**
  - Double-check that your SOKKIA Total Station model is listed as compatible with the BDC25B or equivalent.
  - Ensure the battery is oriented correctly according to the markings in the battery compartment.

If you are unsure about any issue or require further assistance, please send an email to the seller with your battery details or pictures for professional suggestions.

Specifications

Detailed technical specifications for the FITHOOD CS-SDC500SL replacement battery.



Image: Detailed view of the FITHOOD CS-SDC500SL battery label, showing model number, part number, rating, and safety warnings.

Feature	Detail
Model Number	CS-SDC500SL
Part Number	BDC25 (Compatible with BDC25A, BDC25B, BDC25M)
Battery Type	Ni-MH (Nickel Metal Hydride)
Voltage	6.0V
Capacity	1400mAh

Energy	8.40Wh
Dimensions	94.84 x 56.74 x 26.82mm (3.73 x 2.23 x 1.06 inches)
Weight	180g / 6.35oz (6.4 ounces)
Compatible Devices	SOKKIA ET 5A, ET 5E, ET 5F, ET 5FS, ET 5S, ET 5W Total Stations
Certifications	ISO9001, RoHS, CE
Manufacturer	CS (Cameron Sino)

Warranty and Support

Your FITHOOD replacement battery is manufactured to high-quality standards and comes with certifications for quality assurance.

- **Quality Assurance:** All batteries are certified with ISO9001 for quality management, RoHS for hazardous substance restriction, and CE for European safety standards.
- **Technical Support:** For any technical inquiries, compatibility questions, or troubleshooting assistance, please contact the seller directly through your purchase platform. Provide your order details and a clear description of the issue.
- **Manufacturer Information:** The battery is manufactured by Shenzhen Henzens Technology Co., Limited, also known as Cameron Sino. You can find more information about the manufacturer at www.cameronsino.com.

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