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› SINOCMP 285-9075 Hour Meter 161-3932 Timer User Manual for 320D E320D Excavator

SINOCMP 285-9075 161-3932

SINOCMP 285-9075 Hour Meter 161-3932 Timer User Manual

Model: 285-9075, 161-3932 | Brand: SINOCMP

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1. PRODUCT OVERVIEW

The SINOCMP 285-9075 and 161-3932 Hour Meter is a precision timer designed for use in CAT 320D and E320D excavators. This component accurately tracks engine operating hours, which is crucial for scheduling maintenance and monitoring equipment usage. It serves as a direct replacement part for the original excavator timer control panel gauge.



Figure 1: Front view of the SINOCMP Hour Meter. This image shows the digital display and the part number 285-9075.

2. SPECIFICATIONS

Feature	Detail
Part Numbers	285-9075, 161-3932
Application Model	CAT 320D, E320D Excavator
Brand	SINOCMP
Color	Black
Material	Metal
Item Weight	0.4 Kilograms

Feature	Detail
Manufacturer Part Number	CP-C0481

3. SAFETY INFORMATION

Important Safety Precautions:

- Always disconnect the vehicle's battery before attempting any electrical installation or maintenance to prevent electrical shock or damage to components.
- Electrical parts are sensitive to short circuits. Exercise extreme caution during installation to avoid damaging the hour meter or other control systems.
- Ensure all connections are secure and properly insulated to prevent accidental contact or shorting.
- If you are unsure about any part of the installation process, consult a qualified technician.
- Do not attempt to modify the hour meter. Unauthorized modifications can lead to malfunction and void the warranty.

4. INSTALLATION INSTRUCTIONS

This hour meter is designed as a direct replacement for the original unit in CAT 320D and E320D excavators. Follow these steps carefully:

1. **Preparation:** Ensure the excavator is turned off and the battery is disconnected to prevent electrical hazards.
2. **Access:** Locate the existing hour meter or the designated installation point on the excavator's control panel. You may need to remove surrounding panels to gain access.
3. **Removal (if replacing):** Carefully disconnect the wiring from the old hour meter. Note the orientation and connection points (e.g., positive, negative, signal) before removal.
4. **Mounting:** Insert the new SINOCMP hour meter into the control panel opening. Secure it using the provided mounting hardware (if applicable) or the existing mounting points.
5. **Wiring:** Connect the electrical wires to the corresponding terminals on the back of the new hour meter. Refer to the wiring diagram of your excavator or the markings on the hour meter terminals (e.g., '+' for positive, '-' for negative). Ensure connections are firm and correct.



Figure 2: Rear view of the SINOCMP Hour Meter, illustrating the electrical connection terminals.

6. **Verification:** Double-check all wiring connections for correctness and security. Ensure no bare wires are exposed.
7. **Reassembly:** Reinstall any panels or covers that were removed.
8. **Power On:** Reconnect the excavator's battery. Turn on the excavator and verify that the hour meter powers on and displays correctly.

Note: Incorrect wiring can cause damage to the hour meter or the excavator's electrical system. If you encounter any issues, refer to the troubleshooting section or contact SINOCMP support.

5. OPERATION

The SINOCMP Hour Meter is designed for automatic operation. Once properly installed and powered, it will begin to accumulate operating hours whenever the excavator's engine is running or the ignition is in the 'ON' position, depending on the wiring configuration.

- **Reading the Display:** The hour meter features a digital display that shows the total accumulated operating

hours. The display typically shows hours and a fraction of an hour (e.g., 1/10th of an hour).

- **Continuous Tracking:** The meter continuously tracks and updates the operating hours, providing an accurate record for maintenance scheduling and operational analysis.
- **No User Input:** This hour meter does not require any user input for its primary function of tracking hours.

6. MAINTENANCE

The SINOCMP Hour Meter is a low-maintenance component. Regular checks can help ensure its longevity and accurate performance:

- **Cleaning:** Periodically wipe the display and housing with a soft, damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive cleaners.
- **Connection Check:** During routine excavator maintenance, visually inspect the wiring connections to the hour meter to ensure they remain secure and free from corrosion.
- **Environmental Protection:** Ensure the hour meter is protected from excessive moisture, extreme temperatures, and direct impact, as these can affect its performance and lifespan.

7. TROUBLESHOOTING

If you experience issues with your SINOCMP Hour Meter, consider the following:

- **No Display/Incorrect Reading:**
 - Check all electrical connections to ensure they are secure and correctly wired (positive to positive, negative to negative).
 - Verify that the excavator's battery is fully charged and providing adequate power.
 - Inspect for any blown fuses in the excavator's electrical system that might affect the hour meter's power supply.
 - Ensure the ignition is in the 'ON' position or the engine is running, as required for operation.
- **Intermittent Operation:**
 - Loose connections can cause intermittent power. Re-secure all wiring.
 - Check for any signs of corrosion on the terminals or wires, which can impede electrical flow.
- **Physical Damage:** If the hour meter has sustained physical damage, it may need to be replaced.

If troubleshooting steps do not resolve the issue, please contact SINOCMP customer support for further assistance.

8. WARRANTY AND SUPPORT

Warranty Information:

This SINOCMP Hour Meter comes with a **3-month warranty** from the date of purchase. During this period, replacement parts will be provided free of charge for product-related problems. The warranty covers manufacturing defects and malfunctions under normal operating conditions.

Exclusions: The warranty does not cover damage resulting from improper installation, misuse, neglect, unauthorized modifications, or external factors such as accidents or natural disasters.

Customer Support:

For product-related problems, technical assistance, or warranty claims, please contact SINOCMP customer support as soon as possible. When contacting support, please have your purchase details and the product's part numbers

(285-9075 or 161-3932) ready.

Please ensure you provide correct address and contact information for any replacement part shipments. Buyers are responsible for any possible additional costs such as import taxes and customs duties, though SINOCMP will endeavor to assist with requirements.

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This manual is for informational purposes only. Specifications are subject to change without notice.