

Polaris C - Battery handling and storage instructions

The Polaris C meter is equipped with a rechargeable lithium-ion battery and is certified according to UN 38.3 and IEC 62133. Correct handling during transport, commissioning and storage is required to ensure reliable operation and optimal battery lifetime. The information below is based on battery manufacturer documentation and test data.

Transport and delivery

The Polaris C meter is delivered with a reduced battery charge, typically around 15 to 30 percent, in accordance with international transport regulations for lithium-ion batteries.

NOTE: If stored at this charge level, recharge the battery within approx. 5 months.

Before first use

The Polaris C meter must be fully charged before first use. A full charge takes 1 to 2 hours.

Storage

Lithium-ion batteries are sensitive to deep discharge. Even when the instrument is switched off, the battery will gradually self-discharge over time.

For storage, the following recommendations apply:

- Avoid deep discharge during storage
- For long-term storage, a charge level of approx. 50 percent is recommended to preserve battery capacity
- Check the battery level at least every 6 months during storage

Failure to follow these recommendations may result in reduced battery capacity, irreversible battery damage, or the instrument not powering on.

Charging temperature

The battery must only be charged within a temperature range of 0°C to +45°C / 32°F to 113°F. Charging outside this temperature range may accelerate battery degradation and reduce battery lifetime.

Summary: Battery handling for Polaris C

- Fully charge the instrument before first use
- Avoid deep discharge
- Maintain approx. 50 percent charge for long-term storage
- Check and recharge the battery at least every 6 months during storage
- Charge the battery only within 0°C to +45°C / 32°F to 113°F



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