

Security Assessment Certificate

Accu-Chek® SmartGuide device

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The Accu-Chek® SmartGuide device has passed the security assessment.

A multi-phase **grey-box security assessment** of the **Accu-Chek® SmartGuide device** was conducted by NewTec GmbH. The provided artifacts were reviewed for potential vulnerabilities and deviations from state-of-the-art best practices. The system underwent vulnerability and penetration testing, as well as a conceptual review, with a particular focus on external interfaces.

Based on the security context analysis conducted at the beginning of the assessment, the security evaluation was performed with the following scope:

- **Duration of Security Assessment:** 6 months
- **Security Assessment Team:** Cross-functional team consisting of:
 - One **Threat Modeling and Security Requirements Engineer**
 - One **Penetration Tester**
 - One **Developer** with specialized expertise in **Bluetooth® Low Energy (BLE)**

Summary:

NewTec confirms that the product meets the security requirements when used as intended and as described in the user guidelines:

- Cryptographic mechanisms ensure secure key exchange and data integrity.
- The Bluetooth® interface provides robust protection against passive eavesdropping and MITM attacks, achieved through a combination of BLE Secure Connections and certificate-based application-layer security.
- Device assets are protected through identification, authentication, integrity checks and encryption mechanisms.
- **No critical vulnerabilities** were found that could compromise security or functionality when used correctly.

Validity:

- Product Version: **Accu-Chek® SmartGuide device - FW 8.0.0**
- Certificate Number: 26-0002
- Finalization of Security Assessment: Dec 2025
- Issued: Jan 2026
- Valid Until: Feb 2028

Note:

This certificate applies only to the tested configuration and assumes compliance with the manufacturer's instructions.

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