

Security Assessment Certificate

Accu-Chek® SmartGuide device

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The Accu-Chek® SmartGuide device – FW 9.0.0 – has passed the security assessment.

Three **security assessments** of the **Accu-Chek® SmartGuide device** were conducted by NewTec GmbH:

- A **multi-phase full-scope grey-box security assessment** for **FW 8.0.0**,
- A **grey-box delta security assessment** covering only the documentation and implementation differences between **FW 8.0.0** and **FW 8.1.0**, including targeted re-testing of the affected external interfaces,
- A **grey-box delta security assessment** covering re-testing as well as a review of documentation differences between **FW 8.1.0** and **FW 9.0.0** within the context of the reclassification from Software Safety Class B to C.

Based on the security context analysis conducted at the beginning of the assessment, the security evaluations were performed with the following, respectively highlighted scope:

- **Duration of Security Assessments:** 6 months (**FW 8.0.0**) / 5 weeks (**FW 8.1.0**) / 4 weeks (**FW 9.0.0**)
- **Delta Security Assessment Team:** Cross-functional team consisting of:
 - o One **Threat Modeling and Security Requirements Engineer** (only **FW 8.0.0**)
 - o One **Penetration Tester**
 - o One **Penetration Tester** with specialized expertise in **Bluetooth® Low Energy (BLE)**

Summary:

NewTec confirms that the changes in **FW 9.0.0** do not adversely affect the security properties established for **FW 8.1.0**, when used as intended and as described in the user guidelines:

- The cryptographic mechanisms for secure key exchange and data integrity remain effective.
- The protection of the Bluetooth® interface against passive eavesdropping and MITM attacks is unaffected by the changes.
- The protection of device assets through identification, authentication, integrity checks and encryption is maintained.
- **No critical vulnerabilities** were introduced and no new attack surface was identified.

Validity:

- Product Version: **Accu-Chek® SmartGuide device - FW 9.0.0**
- Certificate Number: 26-0005
- Finalization of Delta Security Assessment: Oct 2026
- Issued: Oct 2026
- Valid Until: Feb 2028

Note:

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