Accu-Chek® Inform II system
Professional glucose testing for the wireless age
The Accu-Chek® Inform II system

Real time control

Quality
Advanced chemistry with multiple automated system and strip checks to ensure final result quality

Connectivity
Flexible connectivity options mean meters where needed not only where network point available

Control
Complete control over the POC testing process helps improve patient safety. Manual entry of other POC tests to capture data in electronic medical record

Compliance
Real time overview of the whole system, meter, strips and operators

Efficiency
Hospital glucose becomes a "mobile application at hand"
Accu-Chek Inform II system components

Accessory box
Convenient storage and transport of meter and consumables

Lancets
A pioneering single-use lancing device offering three adjustable depth settings

Test strips
0.6 μL sample size
5 second test time
End dosing for easier testing

Test strip vial
Flip top vial to maintain integrity of test strips
18 months open vial stability

Code key reader
Entry of strip lot information into device. Ensures only approved test strips are used for testing

Base Unit
Recharges meter battery. Allows for the transfer of data to and from the data management system

Control and linearity solutions
Ensures function and accuracy
2 levels of controls/
6 levels of linearity
Connectivity benefits in your hospital

Control
- Integrated operator training, management and certification for Accu-Chek Inform II and all Roche POCT devices in a single solution

Quality
- Fully automated testing procedure can reduce error potentials

Connectivity
- Compatible with hospital WiFi communication standards, allowing for flexibility in implementation
- Wireless supports multiple security protocols to ensure the integrity of patient data

Compliance
- Complete audit trail of meter/strips/user/QC related to every result available
- Automated transfer of patient and operator data to meters and IT system

Efficiency
- Central management and upload of strip lots
- Tailored e-learning and automated re-certification concept reduces training burden
- Other test entry captures and stores results for multiple POC tests for enhanced efficiency
Accu-Chek® Inform II connectivity
Highest flexibility to meet the needs of all networks

4 Accu-Chek connectivity methods

1. Wireless

2. Base Unit Hub

3. Base Unit to network

4. Base Unit to PC to network

Administration
HIS

cobas IT 1000 application

Emergency Room
Blood Gas, Glucose, Cardiac and Coagulation

Intensive Care Unit
Blood Gas, Glucose

General Wards
Blood Gas, Glucose, Urinalysis

Laboratory LIS
Blood Gas, Cardiac Markers, Urinalysis, IT systems

Roche Hotline
cobas e-support
**Offering you control through cobas POC IT solution:**

- **cobas IT 1000 application**
  Complete management of POC testing

- **cobas bge link software**
  Like standing in front of your blood gas analyzer

- **cobas academy**
  Your knowledge and competence center

- **cobas e-services**
  Remote support and troubleshooting
Accu-Chek® Inform II meter
The first wireless hospital glucose meter

Integral barcode scanner
Advanced bar code scanning for accurate patient ID confirmation

Test strip port
Allows easy dosing of the Accu-Chek Inform II test strip

Cover
Meter cover withstands robust cleaning and disinfection

Touch screen
Allows for easy entry of information including patient ID and operator ID

Flexible connectivity
Hardwire base unit to network or WLAN enabled for immediate transfer of patient results to the hospital medical record

Battery
Rechargeable Lithium-ion battery for up to 100 tests after 6 hour recharge

Code key reader
Centralized entry of strip information into meter enables central control ensuring only approved test strip lots are used for testing
Accu-Chek® Inform II meter  
Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>47 mm / 1.85 in</td>
</tr>
<tr>
<td>Width</td>
<td>92 mm / 3.62 in</td>
</tr>
<tr>
<td>Length</td>
<td>190 mm / 7.48 in</td>
</tr>
<tr>
<td>Weight</td>
<td>350 g (with rechargeable battery)</td>
</tr>
<tr>
<td>User interface</td>
<td>Touchscreen and barcode scanner</td>
</tr>
<tr>
<td>Result memory</td>
<td>At least 2,000 results</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>3 to 50 °C (37 to 122 °F)</td>
</tr>
<tr>
<td>(review functions only)</td>
<td>2 to 25 °C (36 to 77 °F)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>90% RH at 32 °C (90 °F) (noncondens.)</td>
</tr>
<tr>
<td>Humidity (operating)</td>
<td>0.7 to 1.06 bar / 70 to 106 kPa</td>
</tr>
<tr>
<td>Air pressure</td>
<td>&lt; 95%</td>
</tr>
<tr>
<td>Relative humidity (storage)</td>
<td>+ 7.5 V DC</td>
</tr>
<tr>
<td>Input voltage</td>
<td>DC</td>
</tr>
<tr>
<td>Input current</td>
<td>1.7 A (max)</td>
</tr>
<tr>
<td>Battery</td>
<td>Lithium-ion rechargeable (8 hr to full charge)</td>
</tr>
<tr>
<td>Tests</td>
<td>Approx. 100 tests between full charge</td>
</tr>
</tbody>
</table>

Key technical features

First truly wireless hospital glucose meter with optional in-built WiFi card

No need to dock the meter to transmit results
Helps to enable faster therapeutic decision making to improve patient care
Real-time updates to patient information for continuity of care
Real-time control of both meters and operators
Enhances patient ID confirmation, reduces potential errors
Withstands new aggressive cleaners
Easy to use, easy to train
100 tests after 6 hour recharge, improving convenience
Synchronized software and functionality
Helps to streamline nursing workflow
Captures manual tests to the electronic patient record

Flexible bi-directional connectivity options to LIS/HIS

Designed to easy to clean

Graphically driven menus

Rechargeable batteries

Software updates may be made centrally to all meters from cobas IT 1000 application

Central control of active test strip lots

Other test entry (OTE) captures and stores results for multiple POC tests

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Accu-Chek® Inform II test strip
Advanced design for hospital needs

**Physical design to ensure easy handling**
- “Touchable” strip has protected dosing area
- Designed to minimize potential of cross contamination and ensure highest quality results

**High contrast large dosing area**
- Easy to target sample especially in low light settings during night shift
- Dosing site architecture allows multiple sampling application angles

**Easy to use, designed for busy hospital workflows**

**Fast capillary fill**
- “Y” shaped capillary window acts like a funnel to help draw blood into the strip quickly

**5 second measuring time**
- Results available faster, faster treatment decisions possible

**Small blood sample**
- The Accu-Chek Inform II test strips only require 0.6 μL.
  - Better first time testing

**Extensive strip and sample integrity checks**

**Fail-safes prevent inaccurate tests before sample taking**
- The Accu-Chek Inform II system utilizes AC and DC impulses, this technology detects strips damaged by moisture and/or temperature
- Contacts detect scratched strips and can either compensate or reject them depending on the electrical resistance

**Underdose detection**
- Dedicated contacts signal the meter when there is enough blood in the strip to start measurement
- No under-sampling errors possible – peace of mind where sample volume is an issue
- Highest quality results ensured
Accu-Chek® Inform II test strip
Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Test strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement principle</td>
<td>Modified glucose dehydrogenase (Mut. Q-GDH) - electrochemical detection technique</td>
</tr>
<tr>
<td>Range of measurement</td>
<td>10 to 600 mg/dL (0.56 to 33.31 mmol/L)</td>
</tr>
<tr>
<td>Measurement time</td>
<td>5 seconds</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>8 to 44 °C (46 to 111 °F)</td>
</tr>
<tr>
<td>Sample volume</td>
<td>0.6 μL</td>
</tr>
<tr>
<td>Hematocrit range</td>
<td>10 to 65%</td>
</tr>
<tr>
<td>Altitude</td>
<td>&lt; 3,094 meters above sea level (10,150 feet)</td>
</tr>
<tr>
<td>Sample types</td>
<td>Capillary, venous, neonatal, arterial</td>
</tr>
<tr>
<td>Calibration</td>
<td>IFCC plasma</td>
</tr>
</tbody>
</table>

Accu-Chek Inform II system components

- **Accessory box**
  Convenient storage and transport of meter and consumables

- **Lancets**
  “Pain free” single-use lancing device offering three adjustable depth settings

- **Test strips**
  0.6 μL sample size
  5 second test time
  End dosing for easier testing

- **Test strip vial**
  Flip top vial to maintain integrity of test strips
  18 months open vial stability

- **Code key reader**
  Entry of strip information into device. Ensures only approved test strips are used for testing

- **Base Unit**
  Recharges meter battery. Allows for the transfer of data to and from the data management system

- **Control and linearity solutions**
  Ensures function and accuracy
  2 levels of controls/6 levels of linearity

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Accu-Chek® Inform II connectivity
Improved workflows with real time access

Connectivity tailored for the most challenging hospital networks

**Complete central control**
- Real time automatic management and control of instruments, operators, QC and glucose results
- Instruments guaranteed locked out if problem occurs.
- Automatic test result transfer
- All results actually get into the electronic medical record, No missing results, no time lag

**Access to the bedside**
- Improve nursing workflow by placing meters where needed without being limited by network point locations

**Safe and secure data transmission**
- Wireless standards utilized meet modern and secure Hospital protocol standards
- Supports 802.11.g/b wireless communications
- Multiple security protocols to ensure the integrity of patient data.

**Easier to implement**
- Uses the existing hospital wireless network – No additional costs, no additional wiring
- Compatible with modern hospital WiFi standards, allowing for easy implementation.
- Experienced Roche project managed installation to ensure seamless implementation
Accu-Chek® Inform II Base Unit

Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Base Unit</th>
<th>Base Unit Light</th>
<th>Base Unit Hub</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>105 mm / 4.13 in</td>
<td>105 mm / 4.13 in</td>
<td>35 mm / 1.38 in</td>
</tr>
<tr>
<td>Width</td>
<td>150 mm / 5.91 in</td>
<td>150 mm / 5.91 in</td>
<td>169 mm / 6.65 in</td>
</tr>
<tr>
<td>Length</td>
<td>150 mm / 5.91 in</td>
<td>150 mm / 5.91 in</td>
<td>127 mm / 5.00 in</td>
</tr>
<tr>
<td>Weight</td>
<td>615 g (with wallmount)</td>
<td>615 g (with wallmount)</td>
<td>470 g</td>
</tr>
<tr>
<td>User interface</td>
<td>LED (orange, green, blue)</td>
<td>LED (orange, green, blue)</td>
<td>LED (red, green, blue)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>3 to 50 °C</td>
<td>3 to 50 °C</td>
<td>3 to 50 °C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>&lt; 95%</td>
<td>&lt; 95%</td>
<td>&lt; 95%</td>
</tr>
<tr>
<td>Input voltage/current</td>
<td>+ 75 V DC/1.7 Amp (max)</td>
<td>+ 75 V DC/1.7 Amp (max)</td>
<td>+ 75 V DC/1.7 Amp (max)</td>
</tr>
</tbody>
</table>

**Wireless to network**
Supports 802.11.g/b wireless network communications
- WEP encryption is supported using 64 or 128 bit encryption
- Wi-Fi Alliance® certified for WPA™ and WPA2™ using TKIP or AES

**Base Unit to network**
Base unit acts as physical docking and charging station and hardwire connection to the hospital network

**Base Unit Light**
Intended to be used with wirelessly enabled Accu-Chek Inform II devices if used solely as a charging station or together with base unit hub

**Base Unit Hub**
Intended to be used in conjunction with multiple Base Unit Lights, in order to:
Provide connectivity where there are limited network drop points available

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cobas® academy
Your knowledge and competence center
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Your knowledge and competence center

cobas academy can be customized to
• your site’s workflow
• cover all competence topics
• include
  • introductions
  • pass level for the exam
  • mandatory questions
• your content requirements
• include your logo to the certificate

cobas academy means that you can
• offer on-line training courses for your Roche point of care devices
• tailor courses to reflect your organization’s needs
• demonstrate compliance with regulatory and other requirements
• effectively manage the user recertification process without
  • time consuming face to face training
  • shift management and attendance issues
  • additional costs
• offer face to face training only to the minority who need it

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**User Management**
- Integrates with **cobas IT** 1000 application
- Allows a single user database
- Automates the re-certification process
- Reduces complexity with a single log on for all advanced Roche Systems
- User certification reports in **cobas IT** 1000 solution
- **Improved workflow efficiency by integration with other Roche PoC systems**

**Security**
- User password can be self managed to meet your IT regulations and legal requirements
- Unique exam is generated for every user to give managers confidence in user competence
- Exam designed to reflect your local requirements
- **Doing the basics so you don’t have to**

**Usability**
- Intuitive user interface requires no special training
- Integrated online help function
- User home page shows user’s status at a glance
- Bookmark feature marks user’s current position
- Pre-test can be either optional or mandatory
- **Simplicity to maximize acceptance by IT and users alike**

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**Flowchart**

1. **Take Exam**
   - **Pass**
     - Receive certificate and continue with work
   - **Fail**
     - **Retake possible?**
       - **Yes**
         - Receive face to face training
       - **No**
         - Take exam again
Confidence

• in the usage and condition of all analyzers
• in the reliability of results
• from a single point of control which connects all areas of the hospital
• that only trained users can run test on known instruments that have passed their quality control

• from the seamless integration of results into the LIS/HIS
• from the help in meeting regulatory and ISO standards
• from the reduced risk of transcription errors
• from the increased security through password protection