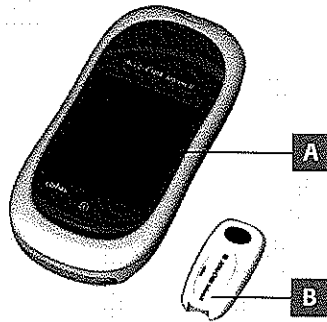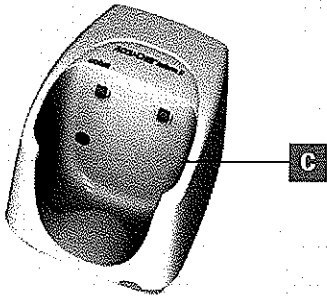## System components

The Accu-Chek Inform II system includes the following components and accessories:
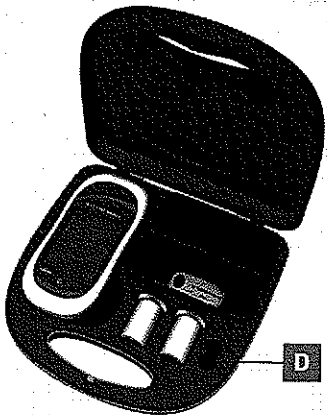
A   Meter

B   Code key reader

C   Base unit with power supply

D   Accessory box (shown with consumables not included in scope of delivery)

The system can be configured by two different methods:

1   Configuration via the Setup function on the meter (see Chapter 9)

2   Configuration via data management system

Note: Not all options can be configured using the Setup function.

The meter performs the following tasks within the system:

- Serves as the primary operator interface through the touch screen and on/off button

- Scans barcodes (patient and operator IDs) in a variety of supported formats

- Displays test results from patient tests and measurements with control solution

- Transfers stored data to the data management system via wireless communication (WLAN, optional) or the base unit (LAN)

Overview of the meter
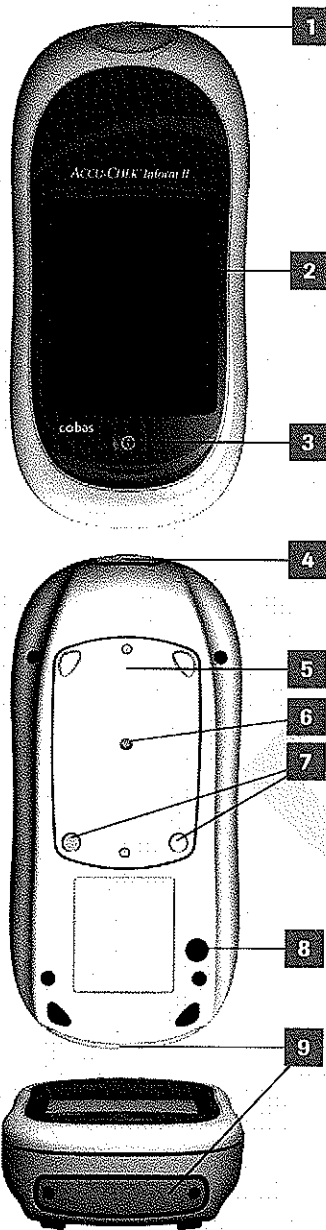
The meter has the following elements:

1   **Test strip** port
    Insert the test strip here.

2   **Touch screen**
    (touch-sensitive display)
    This screen allows you to perform patient tests, per-
    form controls tests, and review results. To view any
    of them, simply touch the button on the screen.

3   **On/Off button**
    Press this button to turn the meter on or off. In addi-
    tion, you can activate or deactivate the backlight with
    this button.

4   **Barcode scanner (laser)**
    The integrated barcode scanner can be used to
    read operator and patient IDs.

5   **Battery Pack**
    Powers the device.

6   **Reset button**
    Use this button to restore the device to its previ-
    ously configured state.

7   **Charging contacts**
    These contacts are used to charge the batteries
    when the meter is in the base unit.

8   **Infrared interface**
    Supports data communication with code key
    reader and base unit.

9   **Cover for RF card**
    If your meter is equipped with this option, the
    RF card for the wireless network (WLAN) is located
    behind this cover.

Wireless network connection (RF card)

The optional RF card for a wireless network connection allows the meter to send data (test results, patient IDs, operator IDs, etc.) to the data management system without the need to return the meter to the base unit or connect the meter by cable. The device conforms with the WLAN standard IEEE 802.11b.

This feature must be configured by the system administrator. Observe the guidelines of your facility for using wireless network connections.

For information about how to temporarily enable or disable this function, refer to page 23.

Note on the use of the Accu-Chek Inform II blood glucose monitoring system within the European Union:

The use of the Accu-Chek Inform II blood glucose monitoring system in conjunction with a wireless network connection (RF card) is allowed in Europe only in Belgium, Germany, Great Britain, and Sweden. In other European countries, the RF card must first be registered with the relevant authorities.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications made to this equipment not expressly approved by Roche Diagnostics Germany may void the FCC authorization to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Radiofrequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

12 General product information

Technical data

Specification	Meter	Base unit	Power supply unit
Height	47 mm / 1.85 in	105 mm / 4.13 in	34 mm / 1.34 in + AC plug (28-40 mm / 1.1-1.6 in)
Width	92 mm / 3.62 in	150 mm / 5.91 in	52 mm / 2.05 in
Length	190 mm / 7.48 in	150 mm / 5.91 in	88 mm / 3.46 in
Weight	350 g (with rechargeable battery)	615 g with wallmount	N/A
User interface	Touch screen and barcode scanner	LED (tricolor: orange, green, blue)	N/A
Display resolution (touch screen)	320 x 240 pixel single color	N/A	N/A
Result memory	At least 4,000 results	N/A	N/A
Operating temperature (review functions only)	3 to 50 °C 37 to 122 °F	3 to 50 °C 37 to 122 °F	0 to 40 °C 32 to 104 °F
Measurement temperature	6 to 42 °C 43 to 108 °F	N/A	N/A
Charging temperature (battery pack)	3 to 40 °C 37 to 104 °F	N/A	N/A
Operating temperature (RF card, if installed)	12 to 47 °C 54 to 117 °F	N/A	N/A
Storage temperature	2 to 25 °C 36 to 77 °F	-25 to 69 °C -13 to 156 °F	-40 to 70°C -40 to 158 °F
Humidity (operating)	90% RH at 32 °C / 90 °F (noncondensing)	N/A	N/A
Air pressure	0.7 to 1.06 bar 70 to 106 kPa	0.7 to 1.06 bar 70 to 106 kPa	N/A
Relative humidity (storage)	< 95%	< 95%	N/A
Battery voltage/type	3.7 volt lithium polymer rechargeable	N/A	N/A

Specification	Meter	Base unit	Power supply unit
Input voltage	+7.5 V DC	+7.5 V DC	90 to 264 V AC
Input frequency	DC	DC	50 to 60 Hz
Input current	1.7 A (max)	1.7 A (max)	400 mA (max) at 100-240 V AC / 50 Hz
Lithium ION battery charge rate	13 measurements possible after 90 min of charging	N/A	N/A
Interfaces	Charge contacts IR port Barcode scanner RF card	Charge contacts IR port RJ45 Ethernet USB type B	DC connector Replaceable AC input contacts
Data transfer rate	RF card: 11Mbps	IR: 9.6K - 115K bps Ethernet: 10 Mbps USB: 12 Mbps	N/A
Min. barcode width	4 mil	N/A	N/A
CDRH/IEC	CDRH Class II	N/A	N/A
Supported barcodes	Code 128, Core 39, Code 93, EAN 13, Interleaved 2 of 5, Codabar.	N/A	N/A

Specification	Accessory box	Code key reader	
Height	85 mm / 3.35 in	18.4 mm / 0.72 in	
Width	280 mm / 11.02 in	34.8 mm / 1.37 in	
Length	272 mm / 10.71 in	70.7 mm /2.78 in	
Weight	1100 g	28 g	
Storage temperature	-25 to 69 °C -13 to 156 °F	2 to 25 °C 36 to 77 °F	
Relative humidity (storage)	< 95%	< 93%	
Battery voltage/type	N/A	3V / CR2450	
Interfaces	N/A	IR port Code key socket	

B   Appendix

Option: Wireless network (WLAN)

Application area

The optionally available module for wireless network con-
nectivity (RF card) allows facilities to connect to their
data management system on a continuous basis. Wire-
less connectivity can help to ensure that changes to
information in the data management system are sent
immediately to all networked meters.

Benefits of wireless connectivity

With the integrated RF card, the meter has to be returned
to the base unit only for recharging or communicating
with the data management system in an area not wireless
capable. The following information is transmitted by the
RF card:

■   Test results

■   Information on consumables needed by the meter
(strips, reagents, linearity kit)

■   Operator lists

■   Patient lists

■   Configuration information

■   Lists of comments