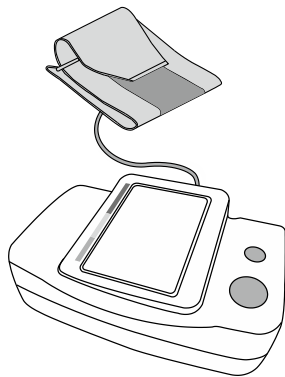


scala®

Upper Arm Blood Pressure Monitor

SC 6800



CE 0197



Instructions for use

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SCALA Electronic GmbH
Ruhlsdorfer Straße 95
14532 Stahnsdorf

Customer service

SES GmbH
Ruhlsdorfer Straße 95
14532 Stahnsdorf

Explanation of symbols

	Manufacturer
	CE-sign of a notified body (TÜV Rheinland)
	Product type BF
	Disposal notes
	Product period (MM/YY)
	Read the instruction manual
	Keep dry

Specifications

Measuring method:	Oscillometric, fuzzy logic
Measuring range:	Pressure: 20 to 300 mmHg Heart rate: 40 to 200 / min
Measuring accuracy:	stat. pressure: +/- 3 mmHg Heart rate: +/- 5 %
Measuring value memory:	85 memories for systolic / diastolic / heart rate, date and time
Display:	LC display
Pressure pick-up:	Semi-conductor pressure sensor
Automatic switch-off:	after approx. 2 minutes of inactivity
Voltage supply:	4 x LR6 (alkali batteries)
Working temperature range:	+10°C to +40°C
Storage temperature range:	- 10°C to +50°C
Cuff length:	for upper arm circumference from 22 cm to 32 cm

Specifications may change as technical improvements take place

Introduction

thank you for deciding for the blood pressure monitor SC 6800 from SCALA Electronic GmbH. To be able to utilise all advantages of the blood pressure monitor to the fullest, you should carefully read these instructions before using the monitor. Keep the instruction leaflet in a safe place.

Features of the SC 6800

- The blood pressure monitor has fuzzy logic to identify the pumping pressure. If the pumping pressure set in the factory is not sufficient, the device identifies this and continues pumping.
- The device has 85 memory locations
- The date and time are displayed and stored together with every blood pressure value.
- WHO-Interpretation of blood pressure readings with colored band
(See description at page 4, 5 and 6).
- If the battery icon is displayed, the batteries are discharged and the device cannot be used until new batteries are inserted.
- The cuff is suitable for upper arms with a circumference between 22 and 32 cm.

Safety instructions

The blood pressure monitor SC 6800 enables you to monitor your blood pressure regularly. However, you should never change the treatment which your doctor has prescribed

Self-measurement means monitoring, it does not imply diagnosis or treatment.

Discuss unusual values with your doctor.

Do not change the medication prescribed by your doctor.

The heart rate is not a useful indicator of the frequency of a cardiac pace maker.

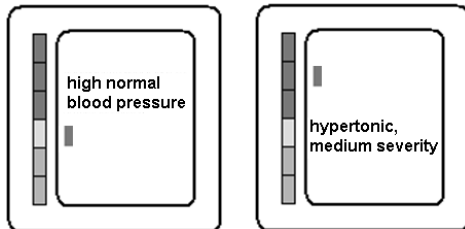
Patients with cardiac arrhythmia should use the blood pressure monitor only after consulting a doctor.

WHO*-Interpretation of blood pressure readings

29.12.2007

Meaning	Systolic / mmHg	Diastolic / mmHg
optimal	< 120	< 80
normal	< 130	< 85
high-normal	130 - 139	85 - 89
mildly hypertonic	140 - 159	90 - 99
hypertonic, medium severity	160 - 179	100 - 109
severely hypertonic	≥ 180	≥ 110

Examples:



The World Health Organization (WHO) recommends medical treatment, when the blood pressure value exceeds 140/90 mmHg.

Referenced norms

The device has been certified in accordance with DIRECTIVE 93/42/EU of 14th June 1993 relating to medicinal products.

For registration, a defined number of blood pressure monitors was subjected to stringent clinical testing. These monitors used the same program for blood pressure measurement as your monitor uses. Thus, this program is also regarded as clinically tested.

The manufacture of the blood pressure monitor complies with the European norms for blood pressure monitors: EN 60601-1, EN 1060-1 to EN 1060-4.

The blood pressure monitor complies with the requirements of European norm EN 60601-1-2 and EN 60601-1: 2007.

Disposal note

The disposal of batteries is regulated. Spent batteries are collected at collection points provided by battery dealers and the communities. Dispose of the blood pressure monitor as prescribed, i.e., at a collection point for electrical scrap.

Warranty

We grant a warranty of two years for the blood pressure monitor SC 6800. Within this period, defects of the BP monitor will be repaired free of charge. You can also have your BP monitor repaired by our customer service after the warranty period. We will provide you with a free cost estimate for the repair.

The warranty does not cover damage due to improper handling, accident, natural wear and tear (cuff), non-compliance with the instructions for use or unauthorized modifications of the monitor. Not covered by the warranty are the packaging, batteries and the instructions for use.

wrong application of the cuff, use of wrong batteries or use of a rechargeable battery. Repeat a measurement not earlier than after 5 minutes.

Care and maintenance

- ♥ Avoid extreme temperatures, moisture, dust and the direct exposure to sunlight.
- ♥ The cuff incorporates a sensitive, air-tight bubble. Please avoid any stress by turning or bending it.
- ♥ Clean the instrument with a soft, dry cloth. Never use petrol, thinner, or similar solvents. Stains on the cuff can be gently removed with a wet cloth and soap.

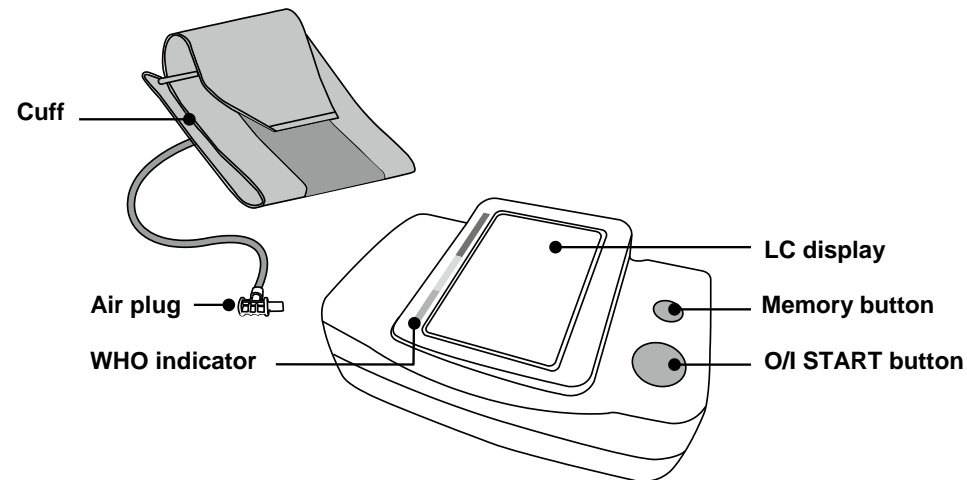
Do not wash the cuff!

- ♥ Do not drop the instrument or treat it violently in any other way.
- ♥ Never attempt to open the instrument, as the calibration set by the manufacturer will become invalid.

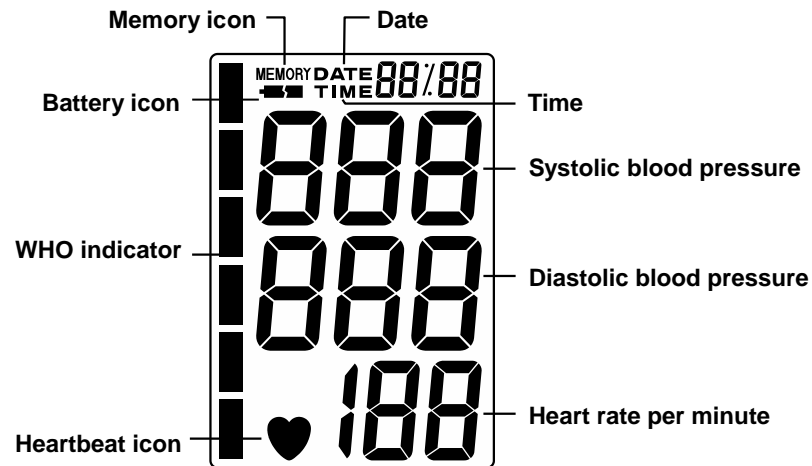
Periodic re-calibration

We recommend re-calibrating the pressure display regularly every 2 years.

Device description




The LC display



Troubleshooting and remedies

Possible errors which can occur during a measurement are listed in the table below.

Message	Error description	Correction
<i>LL Err</i>	Pressure is not build up in the cuff. Cuff not applied tightly enough or leaky.	Apply cuff again and measure again. Consult customer service if necessary
<i>UU Err</i>	Pressure is built up very quickly at the sensor. The cuff is too tight or the bubble sticks.	Apply cuff again and measure again. Consult customer service if necessary
<i>P Err</i>	Pump defective or pumping error	Contact customer service
<i>rr Err</i>	The pressure can not be measured due to signal noise.	Please take the measurement on the left upper arm. Make sure of the correct seat of the cuff. Repeat measurement.
<i>HI</i>	The pumping pressure is higher than 300mmHg.	Contact customer service
 or no display	Low batteries.	Please check and replace the batteries if necessary. Do not use Ni-Cd or NiMH rechargeable batteries

From many years of experience we know that most faults are the consequence of wrong use. The most frequent causes of faults are excessive movement during the measurement,

The memory function

The SC 6800 saves up to 85 measurements. Together with each measurement (systolic, diastolic and heart rate), the date and time are also saved. The measurement with the longest residence time in the memory is assigned number 1. All other measurements increment by one until number 85. Then the memory is full. The next measurement occupies memory location 85. The measurement formerly at location 85 changes to location 84 (etc., 83→82 2→1). The oldest measurement formerly at location 1 is lost.

Delete a blood pressure value from the memory

Press the MEMORY button to view the blood pressure value you want to delete. Pressing the 0/I-START button instantly (and holding it for at least 4 secs.) displays **dEL (for "delete") and the number of the memory location**.

Press the 0/I-START button instantly and the value will be deleted.

Delete all blood pressure values in the memory

Remove the batteries for about 5 minutes to delete all memory entries, the time and date settings.

Or: Press the MEMORY button to display any blood pressure value. Pressing the 0/I-START button instantly (and holding it for at least 4 secs.) displays **dEL (for "delete") and the number of the memory location**. Press the MEMORY button instantly and the LCD displays **dEL (for "delete") and ALL (for all memory locations)**.

Press the 0/I-START button instantly and all values will be deleted. Time and date are not deleted.


Instructions for measuring the blood pressure

In order to obtain comparable values, always measure the blood pressure under the same conditions, i.e. in a relaxed atmosphere, not after the consumption of alcohol, not during a meal and not after being exposed to physical or nervous stress.

If possible, make the measurement while being seated at a table and only with your left upper arm stripped.

How to put the SC 6800 into operation / Changing the batteries

Put 4 LR6 batteries in the compartment as indicated on the back of the device. Preferably, alkali batteries (LR6) should be used.

If the batteries are flat, an empty battery will be displayed at the LC display above: . The battery needs urgent replacement because you cannot use the monitor with depleted batteries.



Caution: Do not dispose of depleted batteries with the household waste. Also see disposal note.

Setting the clock

After you have inserted the two batteries, you should set the clock. It starts with year "20XX", „1/ 1“ (for the 1st month / 1st day) and "12:00" o'clock after every battery change.

To set the clock, the device must be OFF. Hold the MEMORY button pressed for about 5 seconds. The year 20XX blinks in the top left corner of the display.

Set the year with the 0/I-START button.

When the correct year is set, press the MEMORY button again. Now the 1 blinks in the top left corner of the LCD. It stands for the month.

Set the month with the 0/I-START button.

Another press of the MEMORY button sets another 1 blinking. It stands for the first day in the month.

Set the day with the 0/I-START button.

Another press of the MEMORY button takes you to the clock setting – the hours blink. As earlier, *set the clock with the 0/I-START button.*

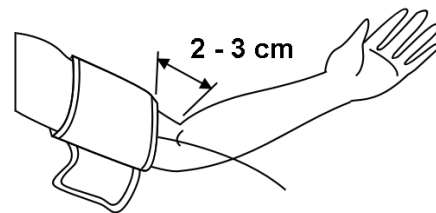
Pressing the MEMORY button advances to the minutes setting.

Set the minutes with the 0/I-START button.

A final press of the MEMORY button completes the setting of the date and time.

The blood pressure measurement

Now connect the cuff with the instrument by plugging the air plug at the tube of the cuff into the socket on the back side of the instrument (see Figs. 1 and 2). Put the cuff around your *left* upper arm in such a way that the tube is directed towards the bend of the elbow, with the lower cuff edge ending about 2-3 cm above the bend of the elbow.



The cuff should be reasonably tight.

Pressing the 0/I-START button starts the automatic measurement. The cuff inflates to approx. 190 mmHg pressure.

The automatic deflation starts the measurement. After about 3 seconds, a heart icon starts blinking in the LC display. If a Korotkoff's sound is detected already at that time, it means a systolic pressure of more than 150 mmHg. Then the monitor re-inflates (to about 220 mmHg).

At the end of the measurement, the result is displayed in the LCD and the cuff deflates and the measuring value is entered in the memory area.

Aborting a measurement

You can stop the measurement at any time by pressing the 0/I-START button. The BP monitor deflates the cuff instantly.