

# CRADLE VSA Maintenance Training



The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the frame, creating a modern, dynamic feel.

# **Understand how to care for and repair your CRADLE Device**

# 1. Common reasons for errors



Bla bla  
bla...

- Wrong size cuff
- Wrongly positioned cuff...or patient
- Patient moving or talking.



# Summary: measuring Blood Pressure

- Seated for 5 minutes
- Feet on the floor (If not possible left side and check the BP in left arm)
- Arm level of heart
- Arm on cushion
- Explain
- Permission
- Remove all tight clothes from around the arm.
- Explain what the patient may experience:  
tight feeling, minor discomfort, pins & needles in fingers
- Ask her not to talk during the measurement.



## 2. Error messages

# Specific Error Messages

- X1 Signal too weak = **reposition the cuff**
- X2 Error signal = **keep arm still**
- X3 No pressure in cuff = **cuff connection**
- X5 Invalid result = **repeat**
- <HI> Cuff pressure >300 mmHg *or* pulse>200bpm = **repeat**
- <LO> Pulse <40 bpm = **repeat**

# X1 - Signal too weak





# X2 - Movement



# X3 - No pressure in the cuff



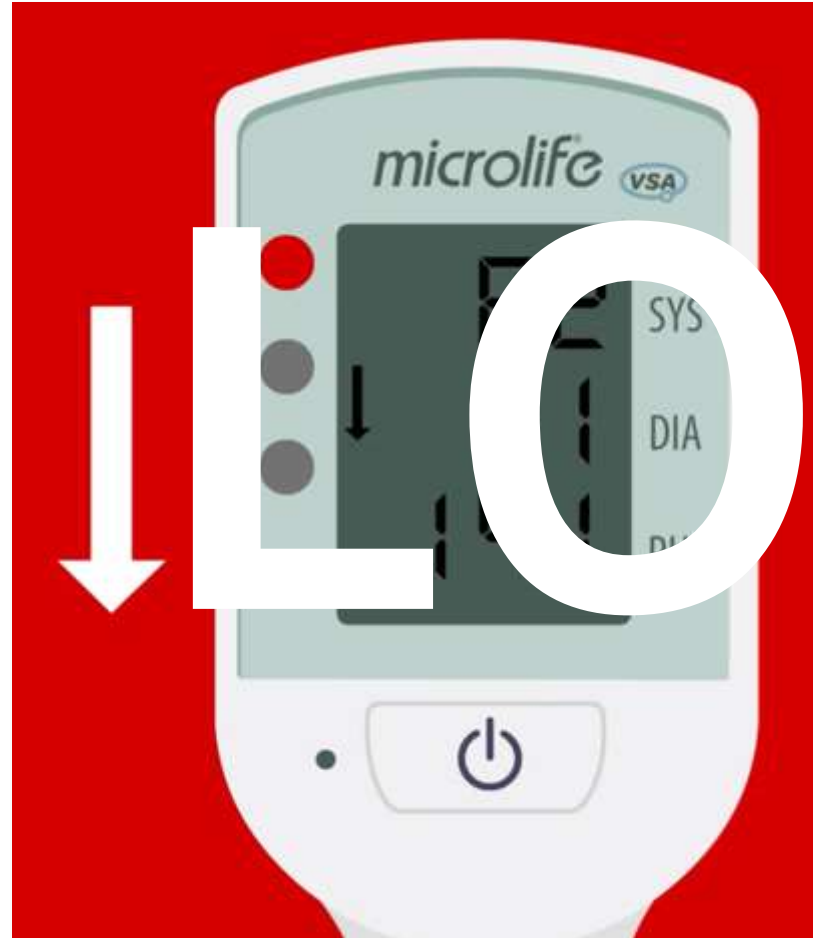
# X5 - Invalid reading



HI - Blood pressure or pulse rate too high to read



# LO - Pulse too low



# 3. Cleaning

# Cleaning the device...

- Clean the device only with a soft, dry cloth



# Cleaning the cuff...

## 1. Take out the bladder





# Cleaning the cuff...

2. Wash carefully with mild detergent

3. **DO NOT IRON**



# 4. Charging

# Charging



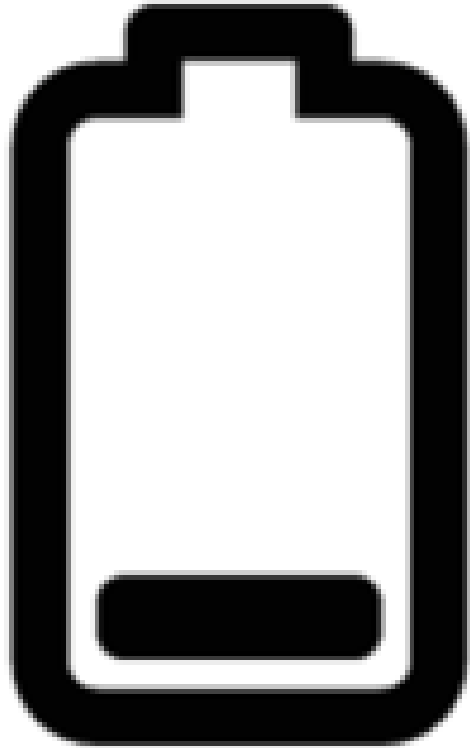
# Charging



4 hours

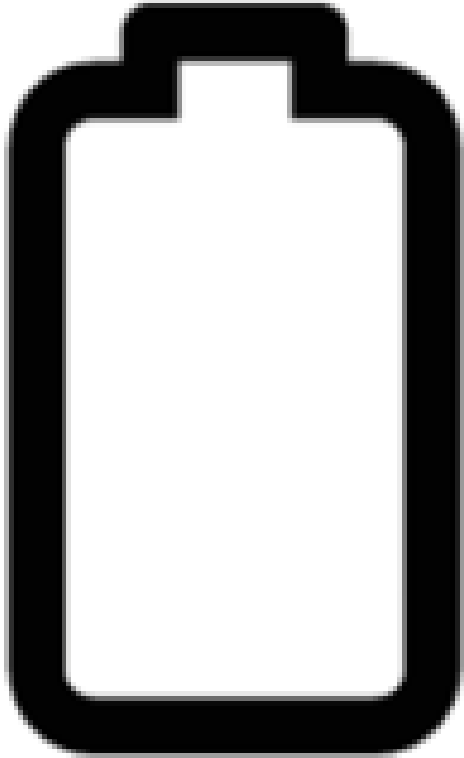


# Battery - 200 x measurements



- When a partly filled battery appears - the battery is half full = 100 readings left.

# Battery - 200 x measurements



- When an empty battery sign flashes, you need to charge the device before it will take more readings

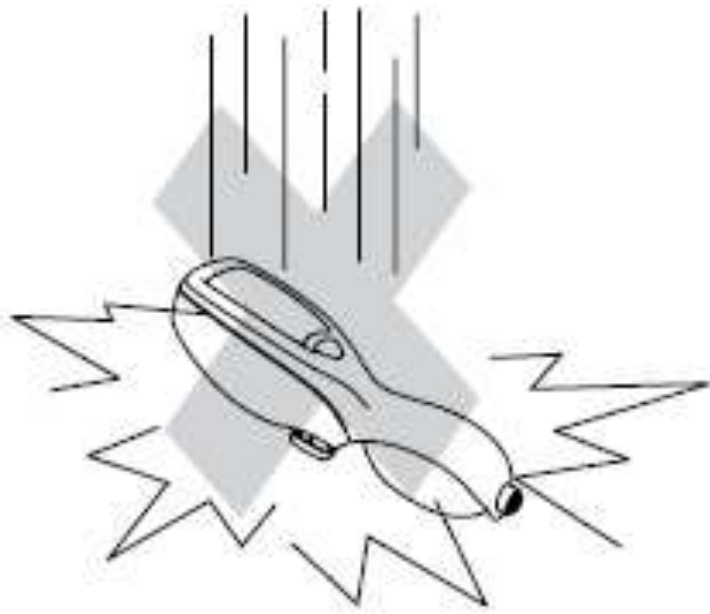
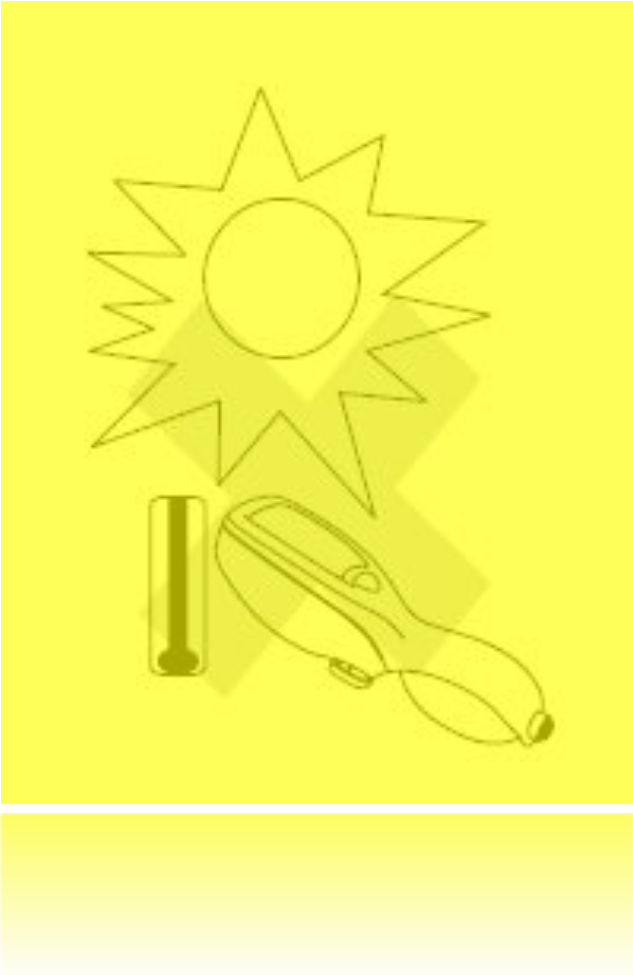
# 5. Security & Care of the devices

# Security and Care of Devices





# Security and Care of Devices



Holes in the tubing can be cut off and adapter reapplied...



Broken cuffs can be removed and replaced...



# The inflation bulb can be replaced..



# 6. Reporting faulty devices

# If a device is not working...

## Can you fix it?

- *Check it is charged*
- *Try it with a new cuff*
- *Check for holes in the tubing*

Still not working?

## Call the Medical Equipment Technician

- *Explain the problem and ask for advice*

Still not working?

## Report it on the DHMT WhatsApp group

- *Arrange for collection and repair (or replacement) with the DHMT Medical Equipment Tech*

Still not working?

## REPAIR & REPLACE Mechanism

- *DHMT has a 30% buffer stock & CRADLE can be procured at national level*