**Fingertip Pulse Oximeter**

**USER MANUAL**

**Recorder No. 7088**

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**Intended Use**

The fingertip pulse oximeter is intended only as an adjunct in patient assessment. It must be used in conjunction with other medical devices and tests to determine the patient's condition.

**Venous pulsations** may be caused to the oximeter.

**Notes:**

- Do not pour or spray liquids onto the oximeter, and do not allow any liquid to enter any openings in the device. Allow the oximeter to dry completely before using again.
- Please use medical alcohol to clean the silicone touching the finger inside of oximeter with a soft cloth dampened with 70% isopropyl alcohol. Avoid rubbing the oximeter screen.
- Do not attempt to open or repair the oximeter. There are no user-serviceable parts inside.

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**Power Requirements**

- Voltage: 3.0 V ± 0.5 V
- Current: 60 mA

**Specifications**

- Resolution: 1 bpm
- Response time: 12.4 s
- Power consumption: Low
- Battery life: 30 hours

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**Maintenance and Storage**

- Store the oximeter in its protective case when not in use.
- Keep the oximeter dry and avoid extreme temperatures.
- Do not expose the oximeter to magnetic or electrical fields.
- Do not expose the oximeter to excessive moisture.

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**Recommended separation distances between portable and mobile RF communications equipment and Pulse Oximeter (MD300C25) in all environments:**

<table>
<thead>
<tr>
<th>Frequency Range (MHz)</th>
<th>80 MHz</th>
<th>800 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance (m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.095</td>
<td>0.10</td>
<td>0.10</td>
</tr>
<tr>
<td>1.166</td>
<td>0.367</td>
<td>0.367</td>
</tr>
<tr>
<td>1.245</td>
<td>1.167</td>
<td>1.167</td>
</tr>
<tr>
<td>1.325</td>
<td>3.60</td>
<td>3.60</td>
</tr>
<tr>
<td>1.405</td>
<td>7.40</td>
<td>7.40</td>
</tr>
</tbody>
</table>

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**Possible Problems and Solutions**

1. **Error 3**
   - **Problem:** The red emission LED is not on screen.
   - **Solution:** Check the red emission LED.

2. **Error 2**
   - **Problem:** The red and green emission LEDs are not on screen.
   - **Solution:** Check the red emission LED.

3. **Error 1**
   - **Problem:** No SpO2 Alarm.
   - **Solution:** Verify pulse properly to obtain an accurate SpO2 measurement.

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**Additional Requirements**

- The oximeter should be used in an environment where the electromagnetic field strength of a source might disrupt the performance of this device.
- The oximeter should be used in a patient environment where the electromagnetic field strength of a source might disrupt the performance of this device.

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**ASSEMBLY INSTRUCTIONS**

1. **Install two AAA batteries according to the Battery Installation instructions listed above in the right column.**
2. **Press the switch button once on front panel.**
3. **Fully insert one fingertip into the silicone hole of the oximeter before releasing the clamp.**
4. **Press the button again to toggle between six display modes.**
5. **Read corresponding data from display screen.**
6. **Thread thicker end of the lanyard through the threaded end before pulling.**
7. **Holding the power switch for longer than one second, will adjust the brightness of the oximeter. There are 10 levels of brightness.**
8. **Instructions for handling and storage as per the manufacturer’s recommendation.**
9. **Recommended separation distances between portable and mobile RF communications equipment and Pulse Oximeter (MD300C25) in all environments:**
10. **Environment Requirements:**
    - **Humidity:** 10% to 90% relative humidity without condensation
    - **Temperature:** 5°C to 45°C
    - **Pressure:** 50% to 100% of the atmospheric pressure

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**DISPOSAL**

- **Dispose of battery properly; follow any applicable local battery disposal laws.**
- **Remove the batteries if the pulse oximeter will not be used for long periods.**
- **Thread thicker end of the lanyard through the threaded end before pulling.**

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**NOTES**

- **Please remove the batteries if the pulse oximeter will not be used for long periods.**
- **Power off after 8 seconds if no signal.**
- **Low battery alarm will notify when the battery needs to be replaced.**
- **Battery life: Two AAA 1.5V, 600mAh alkaline batteries could be continuously operated as long as 30 hours.**
- **Battery self-discharge rate: 0.23% per month.**

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**LEGAL DISCLAIMER**

- **The manufacturer shall not be liable for any claims arising from the use of this product.**
- **All rights reserved.**

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# Finger Pulse Oximeter

## User Manual

**Model:** MD300C25

**Reorder No.:** 7088

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**Operation Instructions**

1. **Display Type**
   - **Resolution:** 1%
   - **Display Range:** 0
   - **Measurement Range:** 30 – 100%
   - **Oxygen Saturation Range:** 0 – 100%
   - **Response Time:** 150 s
   - **Power:** 2 x AAA batteries

2. **Operation of the product is simple and convenient.**

3. **The product will automatically power off when there is no signal for longer than eight seconds.**

4. **The product cannot be powered on in any case and the battery is not the cause.**

5. **Inaccurate measurements may be caused by:**
   - Placement of a sensor on an extremity with a blood pressure cuff, arterial catheter, or intravascular line.
   - Patients who are in cardiac arrest or are in shock.
   - High-frequency electrosurgical interference and defibrillators.
   - During anesthesia and mechanical ventilation.
   - Presence of cement or high-conductivity materials (e.g., concrete, metal).#...