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› Rossmax Adult Probe Instruction Manual

Rossmax PA100

Rossmax Adult Probe Instruction Manual

Model: PA100

Brand: Rossmax

INTRODUCTION

This instruction manual provides essential information for the proper use, maintenance, and care of your Rossmax Adult Probe, Model PA100. This probe is specifically designed to be compatible with Rossmax pulse oximeters SA210, SA300, and SA310, ensuring accurate and reliable SpO2 and pulse rate measurements for adult patients. Please read this manual thoroughly before using the device.

KEY FEATURES

- Designed for Rossmax pulse oximeters: SA210, SA300, SA310.
- Probe length: 90cm.
- Suitable for professional care environments.
- Specifically sized for adult use.

PRODUCT OVERVIEW

The Rossmax Adult Probe is a clip-style sensor that attaches to the finger to measure blood oxygen saturation (SpO2) and pulse rate.



Figure 1: Rossmax Adult Probe (Model PA100). This image shows the light blue probe with its coiled cable and connector.



health at your fingertip

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Pulse Oximeter Probes



Adult Probe
PA100



Neonatal Probe
PB100



Pediatric Probe
PC100



Disposable Probe
PD100



Tube Probe
PF100

Features:
Measure and display reliable SpO₂ value and pulse rate with High-brightness LED design.

Operation:

- Press handler to open up the probe. Put one finger in the middle of probe and release the handler. If one finger cannot fit-in, switch to another one. You may pull up the probe to enlarge the pace for various fingers.
- Connect to SpO₂ device to start measurement.

ATTENTION
Read instructions for use before use.

Complies with the European Medical Device Directive 93/42/EEC

2012/19/EU the electronic products have to be disposed on your local recycling centre for safe treatment.

Environmental conditions:

- Operation Condition Temperature: 5°C - 40°C (41°F - 104°F)
- Storage/Transport Condition Temperature: -25°C - 70°C (-13°F - 158°F)
- Relative Humidity: 15% - 90% (non condensing)

Electrical specifications:

Red LED wavelength: 660/680 nm
Infrared LED wavelength: 880/905/940 nm
Connector Type: DB 9-pin
Maximum optical output power: 4mW
Length: 90cm

○ Storage/Transport temperature: -25°C - 70°C (-13°F - 158°F)
 Relative Humidity: 15% - 90% (no condensing)
 Atmospheric Pressure: 700 to 1050 hPa
 WWW.ROSSMAX.COM
 Export_RU_Pulse_Ox1951

Figure 2: Overview of Rossmax Pulse Oximeter Probes and General Information. This image displays various probe types including Adult, Neonatal, Pediatric, Disposable, and Tube probes, along with key features, operation instructions, attention notes, environmental conditions, and electrical specifications relevant to Rossmax probes.

SETUP

1. Ensure your Rossmax pulse oximeter (SA210, SA300, or SA310) is powered off.
 2. Locate the probe input port on your pulse oximeter.
 3. Carefully insert the connector end of the Adult Probe (PA100) into the designated port until it clicks securely into place. Do not force the connection.
 4. Verify that the connection is firm before proceeding.
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OPERATING INSTRUCTIONS

1. Power on your Rossmax pulse oximeter.
 2. Open the probe by gently pressing the handle to open the clip.
 3. Place the patient's finger (typically the index or middle finger) into the probe, ensuring the finger is fully inserted and rests comfortably on the sensor. The finger should not be too tight or too loose.
 4. Release the handle to allow the probe to gently close around the finger.
 5. Wait for the oximeter to display the SpO₂ and pulse rate readings. Ensure the patient remains still during measurement for accurate results.
 6. To remove the probe, gently press the handle to open the clip and withdraw the finger.
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MAINTENANCE AND CARE

Cleaning

To clean the probe, wipe the surface with a soft cloth dampened with a mild disinfectant solution (e.g., 70% isopropyl alcohol). Do not immerse the probe in liquid. Ensure the probe is completely dry before storage or next use.

Storage

Store the probe in a clean, dry place away from direct sunlight, extreme temperatures, and humidity. Recommended storage/transport condition: -25°C to 70°C (-13°F to 158°F). Relative Humidity: 15% to 90% (non-condensing).

TROUBLESHOOTING

No Reading or Inaccurate Reading

- Ensure the probe is securely connected to the oximeter.
- Verify the finger is correctly placed within the probe.
- Check if the patient is moving excessively.
- Ensure the oximeter itself is functioning correctly.
- Clean the sensor area of the probe.

Probe Not Fitting

- This probe is designed for adults. Ensure it is being used on an adult finger.
- Gently pull the probe to enlarge the space for various fingers if needed, as indicated in Figure 2.

SPECIFICATIONS

Attribute	Value
Model	PA100
Compatibility	Rossmax SA210, SA300, SA310 Pulse Oximeters
Length	90cm
Measuring Range (SpO2)	70-100 percent
Red LED Wavelength	660/680 nm
Infrared LED Wavelength	880/905/940 nm
Connector Type	DB 9-pin
Maximum Optical Output Power	4mW
Operation Condition Temperature	5°C - 40°C (41°F - 104°F)
Storage/Transport Condition Temperature	-25°C - 70°C (-13°F - 158°F)
Relative Humidity	15% - 90% (non-condensing)
Batteries Included	No (probe is passive, powered by oximeter)

SAFETY INFORMATION

ATTENTION:

- Read the instructions for use before use.
- Complies with the European Medical Device Directive 93/42/EEC.
- 2012/19/EU: The electronic products have to be disposed of on your local recycling centre for safe treatment.

Always consult with a healthcare professional for medical advice and interpretation of readings. This device is intended for professional use.

WARRANTY AND SUPPORT

Rossmax provides a 1-year EU Spare Part Availability Duration for this product. For further support, technical assistance, or warranty claims, please contact your authorized Rossmax distributor or visit the official Rossmax website.

[Visit the Rossmax Store on Amazon](#)