Megaring®

User Manual

MegaRing C11E / P11E

Innovative ring-shaped continuous pulse & blood oxygen monitor

Sound Sleep and Good Health With Smart Monitoring

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What's in the box?

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Product Description

MegaRing is an innovative ring-shaped continuous pulse and blood oxygen monitor, which can continuously monitors a user's heart rate and O2 saturation and detects changes that could indicate early signs of hypoxemia, or less-than-safe levels of oxygen in the blood. These are especially important metrics for patients with COPD and sleep apnea, overnight oxygen level monitoring is also very important for aged people, pregnant women and in many other critical situations.

MegaRing takes the same approach as traditional devices, but uses a smart configuration of optical sensors and electronics so that it can measure O2 saturation at the end of finger rather than at the fingertip, like wearing a traditional ring.

Meanwhile, continuous monitoring data is also transmitted to the cloud through a mobile device. If a person's O2 levels drop below a certain level, MegaRing automatically sends out alerts to pre-identified family members or caregivers and a trained agent, who could then call for emergency responders.(this function depend on BodiMetrics server support)

Except that, MegaRing can also detect sleep stages, step-count etc, help men and women to understand better their health changes, improve overall health and wellness.

Product Characters

Dynamic real-time SpO2 and PR monitoring
Static SpO2 display Vibration or sound warning for abnormal indexes with adjustable warning interval time sleep monitoring and sleep apnea monitoring

Applications

Patients suffering sleep-related breathing disorders, chronic obstructive pulmonary disease (COPD), hypertension, diabetes, cardiovascular disease, hypoxemia, the elderly, postoperative patients, sports lovers, outdoor traveling enthusiasts, and pregnant women.
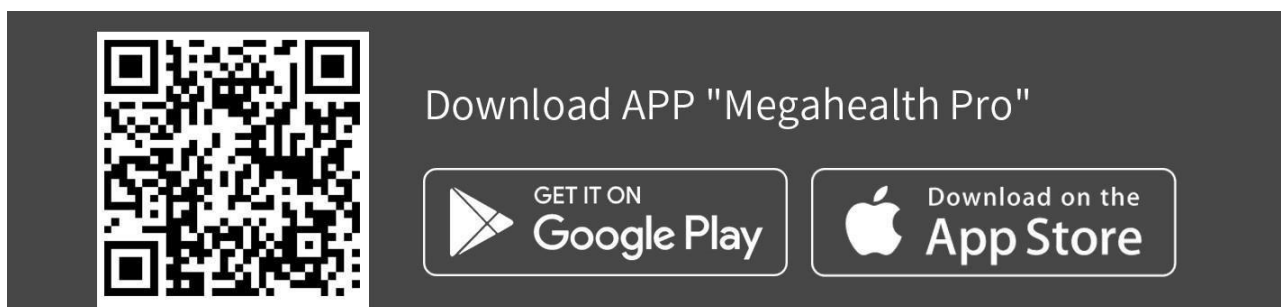
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Specification

Pulse Rate	Update Interval	1 sec
	Range	30bpm-240bpm
	Precision	±2bpm or ±2%
Specifications		
Power Supply	Internal Power Supply	Built-in lithium-ion battery 3.7V
Interface	Bluetooth	4.2BLE
Structure	All-metal mainframe case	with USB charging adapte
Ambient requirements	Operation	5-40℃, relative humidity: 15%～80% (non-condesation), atmospheric pressure70KPa～106KPa
	Storage	5-40℃, relative humidity: 15%～80% (non-condesation), atmospheric pressure 50.0KPa～107.4KPa
Physical specifications	Appearance and size	Annulus, inner diameter:18mm, 20mm
	Weight	≤10g (mainframe)
Working range	Bluetooth Interface	Within 3 meters
Measuring Range	Pulse Rate	30bpm-240bpm
	SpO2	75%-100%
PR Measuring Error	±2bpm or ±2%	Select the maximum value
SpO2 Measuring Error	±3% (SpO2 ranges from 70% to 100%)	
Peak Wavelength	Red light: 660±10nm Infrared ray:940±10nm	Red light power ≤ 10mW Infrared ray power≤ 10mW
Operating time	12 Hours	Operating time in Sleep mode

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Operating time	18 Hours	Operating time in Workout mode
Battery charge time	No more than 2 Hours	
Charging interface/Micro USB	Input voltage	Direct current 5V
	Input Current	<=0.2A

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Operation APP

Download APP "Megahealth Pro"

GET IT ON Google Play

Download on the App Store

FCC statement

FCC ID:2AUU5C11E-P11E

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.

Warning

This device complies with part 15 of the FCC Rules. 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.

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CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF exposure warning

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.

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

Warranty statement

Twelve-month warranty for mainframe; Calling back with 2 hours; Maintenance staff assigned within 48 hours.

The maintenance covers inspection, installation, debugging, transportation for the whole set of equipment. The after-sales service ends upon acceptance with installation and debugging report. In twelve-month warranty duration all the expenses for assigned maintenance staff or other relevant costs should be covered by Megasens.We also provide users with free training program.

The warranty expires after twelve (12) months upon the date acceptance sheet is signed. When warranty expires, lifetime maintenance service will be valid (only material expenses will be charged).

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