

MASIMO Pronto®



Pronto – with rainbow® technology – for noninvasive and quick spot checking of hemoglobin (SpHb®), SpO₂, pulse rate and perfusion index



A New Solution for Spot Checking

For the first time ever, technology in the Masimo Pronto offers noninvasive and quick spot checking of hemoglobin (SpHb), SpO₂, pulse rate, and perfusion index, which may provide the following benefits:

CLINICIAN

- > Facilitates timely assessment

STAFF

- > Easy to use – reduces training time and improves efficiency
- > Requires no lab consumables or waste disposal

PATIENT

- > Enables immediate face-to-face counseling with clinician



IT'S AS EASY AS

1-2-3

1

PLACE SENSOR ON FINGER



2

PRESS SpHb BUTTON

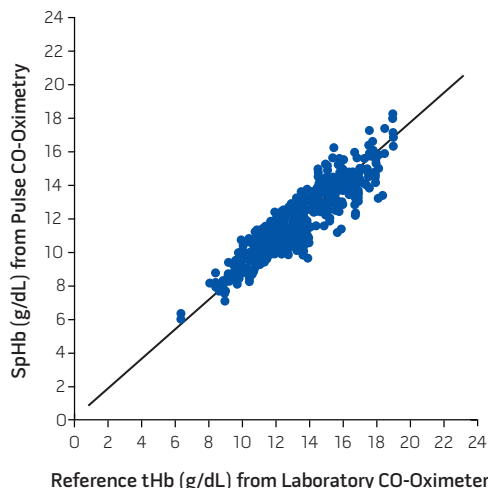


3

OBTAIN RESULTS



SpHb ACCURACY



In 492 comparisons of SpHb and invasive hemoglobin (tHb) measurements from a laboratory CO-Oximeter, SpHb accuracy was as follows¹:

- > Below 12 g/dL, 99% of SpHb readings were <2 g/dL of the laboratory tHb value
- > At or above 12 g/dL, 94% of SpHb readings were <2 g/dL of the laboratory tHb value

PERFORMANCE

Measurement	Range	Resolution	Accuracy
Total Hemoglobin (SpHb)	0-25 g/dL	0.1 g/dL	8-18 g/dL ± 1 g/dL at one standard deviation*
Arterial Oxygen Saturation (SpO ₂)	0-100%	1%	70% to 100% ± 2%
Pulse Rate (PR)	25-240 bpm	1 bpm	± 3 bpm
Perfusion Index (PI)	0.02%-20%	0.01%	

SPECIFICATIONS

Pronto Device

General

Type	Pulse CO-Oximeter
Mode of operation	Spot Check
Test time	2 Minutes (Approximate)
Test storage capacity	10,000 Time Stamped Spot Check Results

Electrical

Battery power	4 AA Alkaline
Capacity	Operates Continuously for up to 8 Hours Without Changing Batteries
Number of spot checks on fully charged battery	140
Isolation	No external power or ground connection, internally powered only, DC current

Environmental

Operating temperature	0 °F to 129 °F (-18 °C to +54 °C)
Storage temperature	-40 °F to 158 °F (-40 °C to +70 °C)
Operating humidity	5% to 95% non-condensing
Operating altitude	500 mbar to 1060 mbar pressure -1000 ft to 18,000 ft (-304 m to 5,486 m)

Physical Characteristics

Dimensions	6.2" x 3.0" x 1.4" (15.8 cm x 7.2 cm x 3.6 cm)
Weight	13 oz (367 g)
Visual alarms	Low battery, System Failure

Display/Indicators

Data display	SpO ₂ %, pulse rate (PR) beats per minute, SpHb g/dL, PI%, low signal IQ, battery level indicator and sensor use indicator
Type	LED

Compliance

EMC compliance	EN60601-1-2, Class B
Equipment classification	IEC 60601-1
Type of protection (battery power)	Internally Powered
Degree of protection-sensor	Type BF-applied part

SpHb Rainbow Sensor

General

Type	Direct Connect Spot Check Reusable Sensor
Adult Reusable	> 30 kg
Pediatric Reusable	10 kg - 50 kg
Spot Check Test	Quantities of 200-360 per sensor

Physical Characteristics

Length	36" (91.4 cm)
Weight	13 oz (367 g)



Protective boots are available in your choice of seven different colors.

*For additional information see Pronto Operator's Manual.

¹ Masimo FDA Submission Data (Technical Bulletin, SpHb Accuracy)