

MASIMO TOTAL HEMOGLOBIN

Noninvasive > Quick > Accurate



Pronto-7™ – with Rainbow 4D™ Technology – for easy-to-use spot-check testing of hemoglobin (SpHb®), SpO2, pulse rate, and perfusion index

Challenges with Traditional Hemoglobin Testing

Hemoglobin is one of the most commonly ordered tests in both hospital and non-hospital settings because it is critical to assessing anemia and blood loss. However, traditional invasive lab testing provides delayed results and requires a painful needle stick and time-consuming blood draws.



A New Solution for Hemoglobin Testing

For the first time ever, the Masimo Pronto-7 offers noninvasive, quick, and accurate spot-check hemoglobin testing, which may provide the following benefits:

CLINICIAN

- > Facilitates timely diagnosis and treatment decisions
- > Reduces need to wait for lab results

STAFF

- > Easy to use – reduces training time and improves efficiency
- > Decreases risk of accidental needle sticks and exposure to blood-borne pathogens
- > Requires no lab consumables or waste disposal

PATIENT

- > Prevents painful needle sticks and time-consuming blood draws
- > Enables immediate face-to-face counseling with clinician



Ideal for Spot-Check Testing in Hospitals, Clinics, and Blood Donation Centers

IT'S AS EASY AS

1-2-3

1 PLACE SENSOR ON FINGER



2 PRESS TEST BUTTON



3 OBTAIN RESULTS

Automatically saved – option to print, e-mail, or manually record



SCREEN DISPLAYS



> Quickly input patient information



> View SpHb, SpO₂, pulse rate, and perfusion index results



> Track test results from multiple patients

PERFORMANCE

Measurement Range

SpO ₂	0-100%
PR (pulse rate)	30-250 bpm
SpHb (total hemoglobin)	0-25 g/dL
PI (perfusion index)	0.02%-20%

Accuracy

Arterial Oxygen Saturation, 70% to 100%	± 2%
Pulse Rate Accuracy	± 3 bpm
Total Hemoglobin Concentration Accuracy (SpHb g/dL)	6-18 g/dL ± 1 g/dL at one standard deviation*

Resolution

Arterial Oxygen Saturation (SpO ₂)	1%
Pulse Rate	1 bpm
Total Hemoglobin	0.1 g/dL
Perfusion Index	0.01%

SPECIFICATIONS

Product

Mode of operation	Spot check
Test time	< 1 minute
Test storage capacity	8,000
Wireless connectivity	802.11 b/g, Bluetooth
Reporting modes	Print, email, audible
Report formats	Single test, multiple test, device summary
Reporting devices	Optional Bluetooth thermal printer, USB, 802.11 wireless (PCL 5, 5e, 6), or Bluetooth printing to validated printers
Included Accessories	AC power cord, USB cable

Electrical

Battery power	Rechargeable lithium polymer
Capacity	Approximately 2 hours after full charge
Number of spot checks on fully charged battery	140
Battery charging time	5 hours when powered off 6 hours when powered on
Isolation	Medical grade AC/DC adapter
AC power	100-240V, 50-60 Hz, 15VA max.

Environmental

Operating temperature	41 °F to 104 °F (5 °C to +40 °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	5.1" x 2.8" x 1" (13 cm x 7.2 cm x 2.5 cm)
Weight	10.5 oz (296.4 g)
Visual alarms	low battery, system failure

Display/Indicators

Data display:	SpO ₂ %, pulse rate (PR) beats per minute, SpHb g/dL, PI%, battery level indicator, pulse plethysmograph waveform
Type	3.7" Resistive touchscreen

Compliance

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

VALIDATED PRINTING SOLUTIONS



> Wireless Laser



> Wireless Inkjet



> Bluetooth Thermal

*For additional information see Pronto-7 User Manual and Accuracy Technical Bulletin.

Masimo U.S.
tel 1-877-462-7466
info-america@masimo.com

Masimo International
tel +41-32-720-1111
info-international@masimo.com

