



# Sassoon General Hospital, Pune

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Purchase Section

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No.SGH/PS/Pulse Oximeter/Quotation/ 793 /20

Dt. 30/01/2020

## Online Quotation

### **Subject : Quotation for Pulse Oximeter.**

This Hospital has to purchase the Pulse Oximeter Dept. Pediatric. mentioned below. Therefore, please send your quotation in sealed envelope before the last date in the name of Dean, Sassoon General Hospital, Pune. The terms and conditions are as under. Mention GST, Vat/Tin No, & Pan No. in Quotation letter.

Last Date to Submit Quotation : Dt. 05/02/2020

Sr.No.	Name of Machine With Attach Specification	Per Qty. Rate
01	Pulse Oximeter	01

### **Attached Specification**

Terms & Conditions :-

- 1) Rights to Accept or reject quotation are reserved by this office.
- 2) Quotation received after last date will not be considered.
- 3) Mention Taxes and other charges if any separately.
- 4) The GST registration number is to be quoted in quotation otherwise your quotation will not be considered.
- 5) Demonstration of machine is compulsory.
- 6) Quantity is flexible. 7) Warrantee – One year from date of installation.

  
**DEAN**  
Sassoon General Hospital, Pune



**Specifications Pulse Oximeter (Adult/Pediatric/Neonatal)**

<b>OxygEn SATurATIOn (%SpO<sub>2</sub>)<sup>1</sup></b>	
Measurement Range .....	0 – 100%
Saturation .....	70 – 100%
No Motion	
Accuracy (Adults/Infants/Pediatrics) .....	± 2%
Accuracy (Neonates) .....	± 3%
Motion	
Accuracy (Adults/Infants/Pediatrics/Neonates) .....	± 3%
Low Perfusion	
Accuracy (Adults/Infants/Pediatrics/Neonates) .....	± 3%
Saturation .....	60 – 80%
No Motion	
Accuracy (Adults/Infants/Pediatrics) .....	± 3%
<b>PuLSE RATE<sup>1</sup></b>	
Measurement Range .....	25 – 240 bpm
No Motion	
Accuracy (Adults/Infants/Pediatrics/Neonates) .....	± 3 bpm
Motion	
Accuracy (Adults/Infants/Pediatrics/Neonates) .....	± 5 bpm
Low Perfusion	
Accuracy (Adults/Infants/Pediatrics/Neonates) .....	± 3 bpm
<b>RESPIRATORY RATE (RRa, breaths per minute)<sup>1</sup></b>	
Measurement Range .....	4 – 70 breaths per minute
Accuracy (Adults/Pediatrics) .....	4 – 70 ± 1 breath per minute
<b>TOTAL HEMOGLOBIN (SpHb g/dL)<sup>1</sup></b>	
Measurement Range .....	0 – 25 g/dL
Accuracy (Adults/Infants/Pediatrics) .....	8 – 17 g/dL ± 1 g/dL
<b>METHEMOGLOBIN (%SpMet)<sup>1</sup></b>	
Measurement Range .....	0 – 99.9%
Accuracy (Adults/Infants/Pediatrics/Neonates) .....	1 – 15% ± 1%
<b>CARBOXYHEMOGLOBIN (%SpCO)<sup>1</sup></b>	
Measurement Range .....	0 – 99%
Accuracy (Adults/Infants/Pediatrics) .....	1 – 40% ± 3%
<b>PLETH VARIABILITY IndEx (PVI), PERfuSIOn IndEx (PI), OxygEn COntENT (SpOC)</b>	
Measurement Range (PVI) .....	0 – 100%
Measurement Range (PI) .....	0.02 – 20%
Measurement Range (SpOC) .....	0 – 35ml of O <sub>2</sub> /dL of blood
<b>RESOLuTION</b>	
Oxygen Saturation (%SpO <sub>2</sub> ) .....	1%
Pulse Rate (bpm) .....	1 bpm
Respiration Rate (RRa) .....	1 breath per minute
Total Hemoglobin (SpHb g/dL) .....	0.1 g/dL
Methemoglobin Saturation (%SpMet) .....	0.1%
Carboxyhemoglobin Saturation (%SpCO) .....	1%

<b>BATTERIES</b>	
<b>HAndHEId</b>	
Type .....	Lithium Polymer
Capacity (battery life) .....	4 hours <sup>2</sup>
Charging Time .....	3 hours
<b>STAndAlOnE (with Rds-1B)</b>	
Type .....	NiMH
Capacity (battery life) .....	10 hours <sup>2</sup>
Charging Time .....	6 hours
<b>EnVIROnMENTAl</b>	
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%, noncondensing
Operating Altitude .....	500 mbar to 1060 mbar pressure -1000 ft to 18,000 ft (-304 m to 5,486 m)
<b>PHYSICAL CHARACTERISTICS</b>	
Dimensions .....	8.9" x 3.5" x 2.1" (22.6 cm x 8.9 cm x 5.3 cm)
Standalone .....	3.5" x 10.5" x 7.7" (8.9 cm x 26.7 cm x 19.6 cm)
<b>WEIGHt</b>	
Handheld .....	1.2 lbs (0.54 kg)
Docking Station (models RDS-1, 2, and 3) .....	2.5 lbs (1.14 kg)
Standalone (models RDS-1, 2, and 3) .....	3.8 lbs (1.73 kg)
<b>TREndIng</b>	
Provides 96 hours of trending at 2-second resolution of SpO <sub>2</sub> , Pulse Rate, RRa, SpHb, SpMet, SpCO, Perfusion Index, and SpOC with output to serial printer or other serial devices.	
<b>SpO<sub>2</sub> MOdES</b>	
Averaging Mode .....	2, 4, 8, 10, 12, 14, or 16 seconds
Sensitivity .....	Normal, APOD <sup>®</sup> , and Maximum
<b>RRa MOdES</b>	
RRa Averaging .....	0, 10, 20, 30, 60 seconds
<b>AlARMS</b>	
Audible and visual alarms for high low saturation and pulse rate (SpO <sub>2</sub> range 1-99%, pulse rate range 30-235 BPM, RRa range 4-69 breaths per minute, SpHb range 1-24.5 g/dL, SpMet range 1-99.5%, PVI range 1-99%, SpCO range 1-98%, PI range 0.03-19%).	
<b>disPIAy/IndICATORS</b>	
Data display: SpO <sub>2</sub> , pulse rate, Respiratory Rate (RRa), SpHb, SpMet, PVI, SpCO, perfusion index, SpOC, pletH waveform, RRa waveform, alarm status, trends, status messages, Signal IQ, MAX, Norm and APOD sensitivities, and FastSat <sup>®</sup> .	
Type .....	Backlit Active Matrix TFT LCD, Color Touchscreen
Pixels .....	480 x 272 dots
Dot Pitch .....	0.25 mm
<b>OutPuT InTERfACE<sup>1</sup></b>	
SatShare (RDS-1); Serial RS-232 (RDS-1, RDS-3); Nurse Call/Analogue Output (RDS-1, RDS-3); Philips Vuelink, Spacelabs Universal Flexport, (RDS-1, RDS-3)	

*[Signature]*  
**Professor & Head**  
 Department of Paediatrics  
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*[Signature]*  
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