

TECHNICAL SPECIFICATIONS
PULSE OXYMETER

1. Suitable for all types of patients: adult, pediatric, neonatal.
2. Compact Table Top Pulse Oxymeter with colour monitor at least 3.5" TFT/ LCD Screen.
3. SpO₂ measurement range at least 40-70 and 70 to 99%, minimum gradation 1%.
4. Accuracy of SpO₂ better than $\pm 1\%$ for range 40-70 and better than $\pm 3\%$ for range 70-99.
5. Pulse rate range at least 25 to 250bpm, minimum gradation 1 bpm.
6. Accuracy of pulse rate better than ± 5 bpm.
7. Audiovisual alarms required: high and low SpO₂ and pulse rate (operator variable settings), sensor disconnected, sensor failure, low battery.
8. Plethysmograph (may be in form of bar) display is mandatory.
9. Should have minimum 24 hrs trend memory for SpO₂ & PR.
10. Display shows SpO₂ (%), HR (bpm) and signal strength bar.
11. Should have clinically proven track record to work during motion and very low perfusion conditions.
12. Large display readable from distance, display covers of durable plastic.
13. User preset of high/low alarms on SpO₂ and pulse rate monitoring.
14. Silencing feature for audio alarm.
15. Display reports system errors, probe failure and built-in battery status.
16. Automatic switch from mains to batteries in case of power failure.
17. Power requirements: 220 V/50 Hz and internal re-chargeable battery, approx 3 hrs (minimum) back up, automatic recharge.
18. Manufacturer should have ISO 13485 Certificate.
19. Equipment should be CE certified.
20. Guarantee: Two years on equipment from the date of installation.
21. CMC: CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and - yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for three years (on yearly basis) after completion of Guarantee period of two years.
22. Table Top Pulse Oxymeter should be supplied with standard set of:
 1. Reusable SpO₂ sensors for Adult including connection cable.
 2. Reusable SpO₂ sensors for neonate, Wrap around type.
 3. User manual with trouble-shooting guidelines should be provided by supplier.
23. Installation will be done by supplier free of cost.
24. The service engineer should be based in Rajasthan.
25. Demonstration of equipment is must for technical approval.

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26. The company should mention the make & model name / number of the quoted equipment and submit the technical brochure of the quoted model in the Technical bid along with compliance sheet as per technical specifications.

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Executive Director (EPM)
Rajasthan Medical Services Corporation Ltd
Jaipur