



The Creative (Lepu Medical) SP20 is a rechargeable handheld pulse oximeter that measures SpO₂, pulse rate, perfusion index (PI), and optional temperature on a 3.5-inch colour TFT display. FDA approved and compatible with adult, paediatric, and neonatal patients, it connects wirelessly via Bluetooth to Android, iOS, and PC platforms, with up to 18 hours of battery life and 500-hour data storage.

Multi-Parameter Monitoring for All Patient Groups

The Creative SP20 measures SpO₂ (blood oxygen saturation), pulse rate, and perfusion index simultaneously, with an optional infrared thermometer module adding body temperature

measurement (32.0°C–43.0°C, $\pm 0.2^\circ\text{C}$ accuracy). Its 3.5-inch colour TFT LCD displays the SpO₂ waveform (plethysmograph), pulse bar, and PI% in real time, giving clinicians immediate visual feedback at the point of care. Three patient modes — adult, paediatric, and neonatal/infant foot measurement — make it suitable across a full spectrum of clinical settings, from hospital wards and paediatric units to home care monitoring.

Wireless Connectivity and Data Management

Built-in Bluetooth connects the SP20 wirelessly to Android devices, iPhones, and Windows PCs, enabling real-time data streaming and remote monitoring. The device stores up to 500 hours of SpO₂ trending data internally, which can be reviewed and exported via the included PC software for documentation and clinical analysis. Alarm functions alert clinicians to SpO₂ or pulse rate values outside preset thresholds, and the device is compatible with Nellcor, Nonin, and BCI DB9 SpO₂ probes, providing flexibility in probe selection and replacement.

Rechargeable, Portable, and Clinical-Grade

The SP20 is powered by a 2000 mAh rechargeable lithium battery providing up to 18 hours of continuous operation, eliminating dependence on disposable batteries during extended shifts or in resource-limited environments. Its compact handheld form factor makes it suited to ambulatory assessments, ward rounds, and home visits. FDA approval and compliance with international medical device standards confirm clinical-grade accuracy and reliability. The device is distributed in South Africa by Vital Medical, ensuring local availability and after-sales support.

Technical Specifications

Specification	Value
Measured Parameters	SpO ₂ , Pulse Rate (PR), Perfusion Index (PI), Temperature (optional)
Display	3.5-inch colour TFT LCD

Specification	Value
Display Content	SpO ₂ value, pulse rate, PI%, plethysmograph, pulse bar
Patient Modes	Adult, Paediatric, Neonatal/Infant
SpO ₂ Range	0–100%
SpO ₂ Accuracy	±2% (70–100%)
Pulse Rate Range	0–300 bpm
Temperature Range	32.0°C–43.0°C (optional module)
Temperature Accuracy	±0.2°C
Battery	2000 mAh rechargeable lithium
Battery Life	Up to 18 hours continuous
Data Storage	500 hours of SpO ₂ trending data
Connectivity	Bluetooth (Android, iOS, PC)
Probe Compatibility	Nellcor, Nonin, BCI DB9
Regulatory Approval	FDA approved
Software	PC data management software included

SKU: VM-CMSP20