

The CONTEC CMS50Q1 is a compact fingertip pulse oximeter measuring SpO₂ (35-99%) and pulse rate (30-250 bpm) with ±2% accuracy (70-99%). Features a bright LED display, pulse waveform bar graph, low battery alarm, automatic power-off and pulse sound function. Lightweight, one-touch operation. CE certified. Suitable for hospital, home and sports health monitoring. Available from Vital Medical SA.

One-Touch Fingertip SpO₂ and Pulse Rate Measurement

The CONTEC CMS50Q1 is a fingertip pulse oximeter designed for fast, easy, non-invasive measurement of blood oxygen saturation (SpO₂) and pulse rate in a single compact device. The user places a fingertip into the spring-loaded clip, activates the device and receives an SpO₂ reading within seconds – no setup, calibration or disposable consumables required. SpO₂ is measured across the 35-99% range with ±2% accuracy in the 70-99% clinical range, and pulse rate is measured from 30 to 250 beats per minute with ±2 bpm or 2% accuracy (selecting the larger value) – meeting the accuracy requirements for clinical screening and monitoring applications. A 1% resolution for SpO₂ and 1 bpm resolution for pulse rate provide clinically meaningful differentiation between readings.

LED Display with Pulse Bar Graph and Alarm

The CMS50Q1 displays SpO₂ value, pulse rate value and a pulse bar graph that provides a visual indicator of signal strength and perfusion quality with each measurement cycle. Low battery voltage indication alerts the user before power is lost during measurement, and the pulse sound function provides an auditory pulse confirmation for each detected beat – useful for confirming signal acquisition without viewing the screen. Automatic power-off activates when no finger is detected, conserving battery life. The standard AAA battery power supply (2 × 1.5V alkaline) supports extended continuous operation without requiring rechargeable battery management.

Hospital, Home and Sports Applications in South Africa

The CMS50Q1 is suited to a wide range of SpO₂ monitoring contexts in South Africa: post-operative recovery monitoring, chronic respiratory disease management (COPD, asthma), sleep assessment,

sports performance and altitude monitoring, and general clinical screening in GP practices and community health centres. CE certified and manufactured by CONTEC Medical Systems, the CMS50Q1 is a reliable, cost-effective SpO2 monitoring solution. Vital Medical supplies the CONTEC CMS50Q1 to South African healthcare providers and home users requiring fast, accurate, portable blood oxygen saturation monitoring.

Technical Specifications

Specification	Detail
Brand	CONTEC
Model	CMS50Q1
Type	Fingertip Pulse Oximeter (Adult)
SpO2 Range	35-99%
SpO2 Accuracy	±2% (70-99%); unspecified (<70%)
SpO2 Resolution	1%
Pulse Rate Range	30-250 bpm
Pulse Rate Accuracy	±2 bpm or ±2% (larger applies)
Pulse Rate Resolution	1 bpm
Display	LED with bar graph
Low Battery Alarm	Yes
Pulse Sound	Yes
Auto Power-Off	Yes (no finger detected)
Power Supply	2 x 1.5V AAA alkaline batteries
Certifications	CE

SKU: VM-POX50Q1