

SAM-TECH DIAGNOSTICS

I-SmartCare 10

Blood Gas Analyzers

Overview

The i-SmartCare 10 is a compact, one-touch blood gas analyser delivering results in 50 seconds across 10 measured and 12 calculated parameters — featuring a maintenance-free all-in-one cartridge, 2-hour battery operation, and full LIS/HIS connectivity.

Product Description

The i-SmartCare 10 by i-SENS is a sophisticated yet remarkably simple point-of-care blood gas analyser engineered for speed, reliability, and zero-maintenance operation. Using proprietary micro sensor technology with screen-printed electrodes, it measures 10 key parameters — including pH, pCO₂, pO₂, Na⁺, K⁺, Ca²⁺, Cl⁻, Glucose, Lactate, and Hct — from just 100µl of heparinised whole blood, delivering results in only 50 seconds. An additional 12 calculated parameters including HCO₃⁻, BE, tHb, sO₂, and pO₂(A-a) are automatically reported. Three flexible CarePak cartridge options (106, 108, 110) with volumes ranging from 50 to 300 tests per pack allow laboratories to right-size consumable usage to their testing needs. The all-in-one multi-test cartridge houses all reagents, sensors, calibration solutions, and fluidic components — eliminating routine maintenance entirely. The intelligent self-cleaning sample probe prevents carry-over between tests, while the built-in EEPROM chip ensures only valid cartridges are used. Running on Windows 10 IoT with a 9-inch touchscreen, built-in barcode scanner, thermal printer, and bidirectional LIS/HIS/EMR communication via HL7 and POCT1-A protocols, the i-SmartCare 10 is a complete and connected point-of-care solution for ICU, emergency, theatre, and ward settings.

Key Features

? 10 measured + 12 calculated parameters

? Results in 50 seconds

- ? 3 flexible CarePak cartridge options
- ? Maintenance-free all-in-one cartridge
- ? Up to 2 hours battery operation
- ? Bidirectional LIS/HIS/EMR connectivity

For More Information

Contact our sales team for detailed specifications and pricing

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