



OPTIMedical
BLOOD GAS & ELECTROLYTE SYSTEMS



OPTI* CCA-TS2

Portable Blood Gas Analyzer

Simple • Accurate • Reliable

Introducing the new OPTI* CCA-TS2.

The next generation OPTI* CCA-TS2 delivers improved speed, reliability and ease of use - with the same accuracy our customers depend on in the OPTI* CCA-TS analyzer.

Save Time

The OPTI CCA-TS2 is up to 30 seconds faster^Δ and requires no daily maintenance. The OPTI CCA-TS2 saves you time with the new Multi-level SRC which lets you run 3 levels of electronic controls at once. Spend less time with your blood gas analyzer and more time on patient care.

Accurate Results

Reduce the risk of pre-analytical errors with Automatic Sample Aspiration, bubble and clot detection, and step-by-step prompts. Heated Measuring Chamber ensures accurate results even in a cold operating room. OPTI analyzers are the only single-use portable blood gas analyzers that directly measure tHb and sO₂ by optical reflectance. Measured total hemoglobin does not have interference from plasma expanders commonly used during bypass procedures.

Cost Effective Solution

The OPTI CCA-TS2 analyzer is an efficient solution for low to medium throughput testing environments due to its single-use test cassette, low maintenance, and reliability. The OPTI is always "ready to go" and only uses consumables when running a test.

Optimize Your Workflow

Customize your OPTI to match your workflow with the OPTI CCA-TS2 analyzer's new and improved software. Improve efficiency by setting up custom test panels, patient info entry, and patient reports.

Improved communication

The OPTI CCA-TS2 now features a standard POCT-1 interface for bi-directional communication and can be interfaced to any LIS/HIS using the Ethernet or USB ports.

Simplify Compliance

Compliance and audit trails are made easy with QC lockouts, maintenance log, and multiple levels of security. Save time and reduce errors by using the barcode scanner to quickly enter user and patient IDs. Track and trend your QC and compare your results to your peers using the online Quality Assurance Program.

^Δ Speed enhancement varies by cassette style

Easy bar code scanning



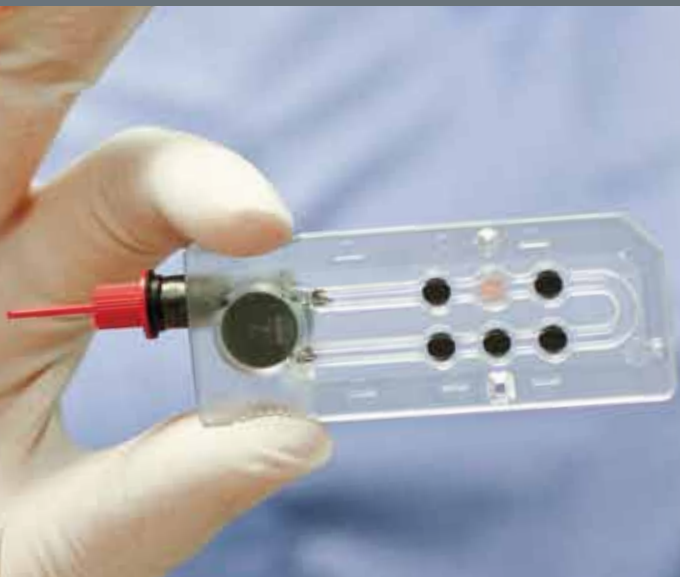
Experience OPTI Medical by your side



Simple, accurate, reliable blood gas results.



Available test configurations



	B-60	B	E	E-Cl	E-Ca	E-Glu	E-BUN	B-Lac
pH	X	X	X	X	X	X	X	X
pCO ₂	X	X	X	X	X	X	X	X*
pO ₂	X	X	X	X	X	X	X	X
tHb		X	X	X	X	X	X	X
sO ₂		X	X	X	X	X	X	X
Na ⁺			X	X	X	X	X	
K ⁺			X	X	X	X	X	
Cl ⁻				X				
Ca ⁺⁺					X			
Glucose						X		
BUN (Urea)							X	
Lactate								X

*Pending FDA 510k clearance

OPTI* CCA-TS2

Portable Blood Gas Analyzer with Optical Fluorescence Technology

To learn more about the new OPTI CCA-TS2 analyzer, contact OPTI Medical at 800-490-6784 or visit our website at: www.optimedical.com

MEASURED PARAMETERS	RANGE	RESOLUTION	OPERATING PARAMETERS
pH	6.6 - 7.8 pH units	0.001 pH units	Minimum Sample Size: 125 µL, 60µL for B-60 cassette
pCO ₂	10 - 200 mmHg	0.1 mmHg	Sample Type: Whole Blood, Plasma, or Serum (depends on analyte tested)
pO ₂	10 - 700 mmHg	0.1 mmHg	Sample Application: Syringe, Capillary or ComfortSampler™
tHb	5 - 25 g/dL	0.1 g/dL	Sample Input: Automatic Aspiration
sO ₂	60% - 100%	0.1%	Analysis Time (Time to Results): < 120 Seconds
Na ⁺	100 - 180 mmol/L	0.1 mmol/L	Ambient Temperature: 10° C - 30° C (50°F - 86°F)
K ⁺	0.8 - 10 mmol/L	0.01mmol/L	Relative Humidity: 5% - 95% (Non-Condensing)
Ca ⁺⁺	0.2 - 3.0 mmol/L	0.01mmol/L	Available Languages: English, Spanish, French, Italian, German, Japanese, Chinese, Polish, Portuguese, Romanian, Russian, and Turkish
Cl ⁻	50 - 160 mmol/L	0.1mmol/L	
Glucose	1.7 - 22.2 mmol/L (30 - 400 mg/dL)	0.1mmol/L (0.1 mg/dL)	
BUN (Urea)	2.8 - 112.0 mmol/L (1 - 40 mmol/L)	0.1mmol/L (0.01 mg/dL)	
Lactate	0.3 - 17.5 mmol/L (2.7-157.7 mg/dL)	0.01 mmol/L (0.1 mg/dL)	
Barometric Pressure	300 - 800 mmHg	0.1 mmHg	
CALCULATED PARAMETERS	INPUT PARAMETERS		SECURITY
Actual Bicarbonate (HCO ₃)	Operator ID	O ₂ Mode	Multiple levels of security with user-definable permissions
Standard Bicarbonate (st.HCO ₃)	Patient ID	Vent Mode	QC Lockout: User Definable QC Lockout Functions
Base Excess (BE)	Accession Number	Pplat	Operator IDs: Storage for 300 operator IDs and passwords.
Base Excess Extra Cellular Fluid (BEecf)	Date of Birth	Mvol	
Base Excess Actual (BEact)	Sex	PIP	
Buffer Base (BB)	Temperature	Liter Flow	
Standard pH (st.pH)	Medical Record Number	Tvol	
Hydrogen Ion Conc. (cH ⁺)	Account Number	PS	
Total CO ₂ (tCO ₂)	Test ID	PEEP	
Oxygen Saturation (SO ₂)	Patient Name	Rate	
Oxygen Content (O ₂ ct)	Age	CPAP	
Alveolar-arterial O ₂ Conc. (AaDO ₂)	Attending Physician	FIO ₂	
P50	Patient Location	MCHC	
St. Ionized Calcium (pH=7.4)(nCa ⁺⁺)	Sample Collection Time	RQ	
Hematocrit (Hct)	Sample Type	P50	
	Puncture Site	Bilevel Pressure	
	Allen's Test	I/E Ratio	
	tHb Type	Comment field	
	Bypass		
			MISCELLANEOUS
			Size: 4.7 H x 14.2 W x 9.1 D in (12.0 x 36.2 x 23.0 cm)
			Weight: 4.3 kg (9.6 lbs) with rechargeable Battery Pack
			Voltage/Frequency: 120 or 240 AC/50-60 Hz
			Power Consumption (Max.): 110 VA
			Interface: ASTM, ASCII, and POCT1 protocols (Ethernet and USB Types A/B)
			Approvals: CE, UL, IVDD, FDA 510k cleared

