OPTI® CCA-TS2**

Portable Blood Gas and Electrolyte Analyzer with Optical Fluorescence Technology

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

MEASURED PARAMETERS	RANGE	RESOLUTION
pH	6.6 - 7.8 pH units	0.001 pH units
pCO_2	10 - 200 mmHg	0.1 mmHg
pO_2	10 - 700 mmHg	0.1 mmHg
tHb	5 - 25 g/dL	0.1 g/dL
sO_2	60% - 100%	0.1%
Na^+	100 - 180 mmol/L	0.1 mmol/L
K^+	0.8 - 9.99 mmol/L	0.01mmol/L
Ca^{++}	0.2 - 3.0 mmol/L	0.01mmol/L
Cl^-	50 - 160 mmol/L	0.1 mmol/L
Glucose	1.7 - 22.2 mmol/L (30 - 400 mg/dL)	0.01mmol/L (0.1 mg/dL)
BUN (Urea)	2.8 - 112.0 mg/dL (1 - 40 mmol/L)	0.01mmol/L (0.1 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	
Actual Bicarbonate (HCo_3)	Operator ID	O_2 Mode
Standard Bicarbonate (st.HCO_3)	Patient ID	Vent Mode
Base Excess (BE)	Accession Number	Pplat
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
Anion Gap	Puncture Site	Bilevel Pressure
	Allen's Test	I/E Ratio
	tHb Type	Comment field
	Bypass	
	Total Hemoglobin	

OPERATING PARAMETERS

Minimum Sample Size: 125 µL, 60µL for B-60 cassette
Sample Type: Whole Blood, Plasma, or Serum (depends on analyte tested)
Sample Application: Syringe, Capillary or ComfortSampler™
Sample Input: Automatic Aspiration
Analysis Time (Time to Results): < 120 Seconds
Ambient Temperature: 10° C - 30° C (50°F - 86°F)
Relative Humidity: 5% - 95% (Non-Condensing)
Available Languages: English, Spanish, French, Italian, German, Japanese, Polish, Portuguese, Romanian, Russian, and Turkish

SECURITY

Multiple levels of security with user-definable permissions
QC Lockout: User Definable QC Lockout Functions
Operator IDs: Storage for 300 operator IDs and passwords.

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 Serial)
Ports: USB Type A
Approvals: CE, UL, IVDD, FDA 510k cleared



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OPTI® CCA-TS2

Portable Blood Gas and Electrolyte Analyzer
Simple · Accurate · Reliable

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OPTI® CCA-TS2: Simple, accurate, reliable blood gas and electrolyte results.

The OPTI CCA-TS2 analyzer delivers speed, reliability, and ease of use.

Save Time

The OPTI CCA-TS2 analyzer is up to 30 seconds faster△ than the CCA-TS analyzer and requires no daily maintenance. Save 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 sO_2 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.

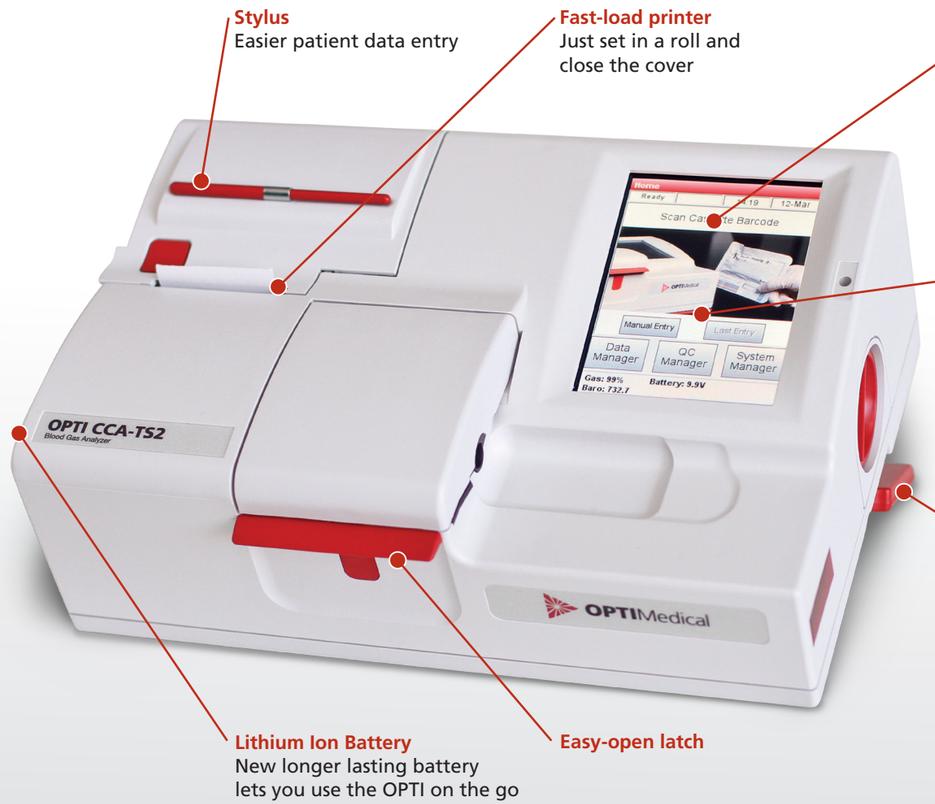
Improved communication

The OPTI CCA-TS2 analyzer now features a standard POCT1 interface for bi-directional communication and can be interfaced to any LIS/HIS using the Ethernet.

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.

△Speed enhancement varies by cassette style



Stylus
Easier patient data entry

Fast-load printer
Just set in a roll and close the cover

High-resolution touch screen
Colorful screens and picture prompts tell users exactly what to do

Faster QC
Spend less time running QC with a new Multi-level electronic QC

Convertible Handle
Provides better viewing angle

Lithium Ion Battery
New longer lasting battery lets you use the OPTI on the go

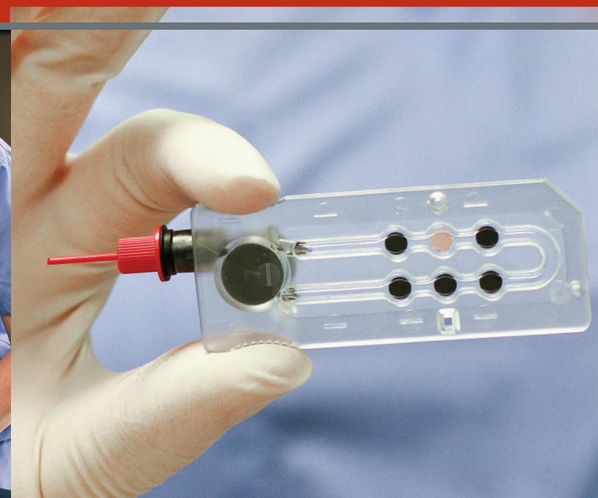
Easy-open latch

Easy bar code scanning



Experience OPTI Medical by your side





Available test configurations

	B-60	B	E	E-Cl	E-Ca	E-Glu	E-BUN	B-Lac	E-Lyte CCA
pH	X	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		X
K^+			X	X	X	X	X		X
Cl^-				X					X
Ca^{++}					X				X
Glucose						X			
BUN (Urea)							X		
Lactate								X	