# **OPTI<sup>®</sup> CCA-TS2<sup>\*\*</sup>**

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		
рН	6.6 - 7.8 pH units	0.001 pH units		
pCO <sub>2</sub>	10 - 200 mmHg	0.1 mmHg		
pO <sub>2</sub>	10 - 700 mmHg	0.1 mmHg		
tHb	5 - 25 g/dL	0.1 g/dL		
sO <sub>2</sub>	60% - 100%	0.1%		
Na <sup>+</sup>	100 - 180 mmol/L	0.1 mmol/L		
K+	0.8 - 9.99 mmol/L	0.01mmol/L		
Ca <sup>++</sup>	0.2 - 3.0 mmol/L	0.01mmol/L		
CI	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 (HCo₃)	Operator ID	O2 Mode		
Standard Bicarbonate (st.HCO <sub>3</sub> )	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 <sub>2</sub> (tCO <sub>2</sub> )	Test ID	PEEP		
Oxygen Saturation (SO <sub>2</sub> )	Patient Name	Rate		
Oxygen Content (O <sub>2</sub> ct)	Age	CPAP		
Alveolar-arterial O <sub>2</sub> Conc. (AaDO <sub>2</sub> )	Attending Physician	FIO <sub>2</sub>		
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





OPTI Medical Systems, Inc. 235 Hembree Park Drive Roswell, Georgia 30076 USA www.optimedical.com +1-770-510-4444 or 800-490-6784



\*\* OPTI, ComfortSampler, and the OPTI Medical logo are trademarks or registered trademarks of OPTI Medical Systems, Inc, in the United States and/or other countries. ©2021 OPTI Medical Systems, Inc. PM0085 Rev G

# **OPTI<sup>®</sup> 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<sup>△</sup> 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

#### Easy bar code scanning

## Experience OPTI Medical by your side





#### 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

### Available test configurations

	B-60	В	ш	E-CI	E-Ca	E-Glu	E-BUN	B-Lac	E-Lyte CCA
рН	Χ	X	Χ	X	Χ	Χ	Χ	X	X
PCO <sub>2</sub>	Χ	X	Χ	X	Χ	Χ	Χ	X	
PO <sub>2</sub>	Χ	X	Χ	X	Χ	Χ	Χ	X	
tHb		X	Χ	Χ	Χ	Χ	Χ	Χ	
SO <sub>2</sub>		X	Χ	X	Χ	Χ	Χ	Χ	
Na+			Χ	X	Χ	Χ	Χ		Χ
K+			Χ	X	Χ	Χ	Χ		Χ
CI-				X					Χ
Ca++					Χ				Χ
Glucose						Χ			
BUN (Urea)							Χ		
Lactate								X	