

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	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 - 9.99 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, Polish, Portuguese, Romanian, Russian, and Turkish
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		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	
Anion Gap	Puncture Site	Bilevel Pressure	
	Allen's Test	I/E Ratio	
	tHb Type	Comment field	
	Bypass		
	Total Hemoglobin		
		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	



OPTIMedical
BLOOD GAS & ELECTROLYTE SYSTEMS



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OPTI® CCA-TS2
Portable Blood Gas and Electrolyte Analyzer
Simple • Accurate • Reliable

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