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 |
|-----------------------|-------------------------------------|-------------------------|
| рН | 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 | |
| 4 . 18' 1 . (116) | 0 10 | 0 11 1 |

Total Hemoglobin

Actual Bicarbonate (HCO₃)
Standard Bicarbonate (st.HCO₃)
Base Excess (BE)
Base Excess Extra Cellular Fluid (BEecf)
Base Excess Actual (BEact)
Buffer Base (BB)
Standard pH (st.pH)
Hydrogen Ion Conc. (cH+)
Total CO₂ (tCO₂)
Oxygen Saturation (SO₂)
Oxygen Content (O₂ ct)
Alveolar-arterial O₂ Conc. (AaDO₂)
P50
St. Ionized Calcium (pH=7.4)(nCa++)
Hematocrit (Hct)

Anion Gap

Operator ID O₂ Mode Patient ID Vent Mode Accession Number Pplat Date of Birth Mvol Sex Liter Flow Temperature Medical Record Number Tvol Account Number PS Test ID PEEP Patient Name Rate CPAP FIO₂ Attending Physician Patient Location MCHC Sample Collection Time RQ Sample Type P50 Puncture Site Bilevel Pressure I/E Ratio Allen's Test tHb Type Comment field **Bypass**

PERATING 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® CCA-TS2

Portable Blood Gas and Electrolyte Analyzer Simple · Accurate · Reliable

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^a 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



