

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



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OPTI® CCA-TS2

Portable Blood Gas Analyzer

Simple • Accurate • Reliable

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Introducing the new OPTI® CCA-TS2. Simple, accurate, reliable blood gas results.

The next generation OPTI CCA-TS2 analyzer 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 analyzer is up to 30 seconds faster^Δ 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 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

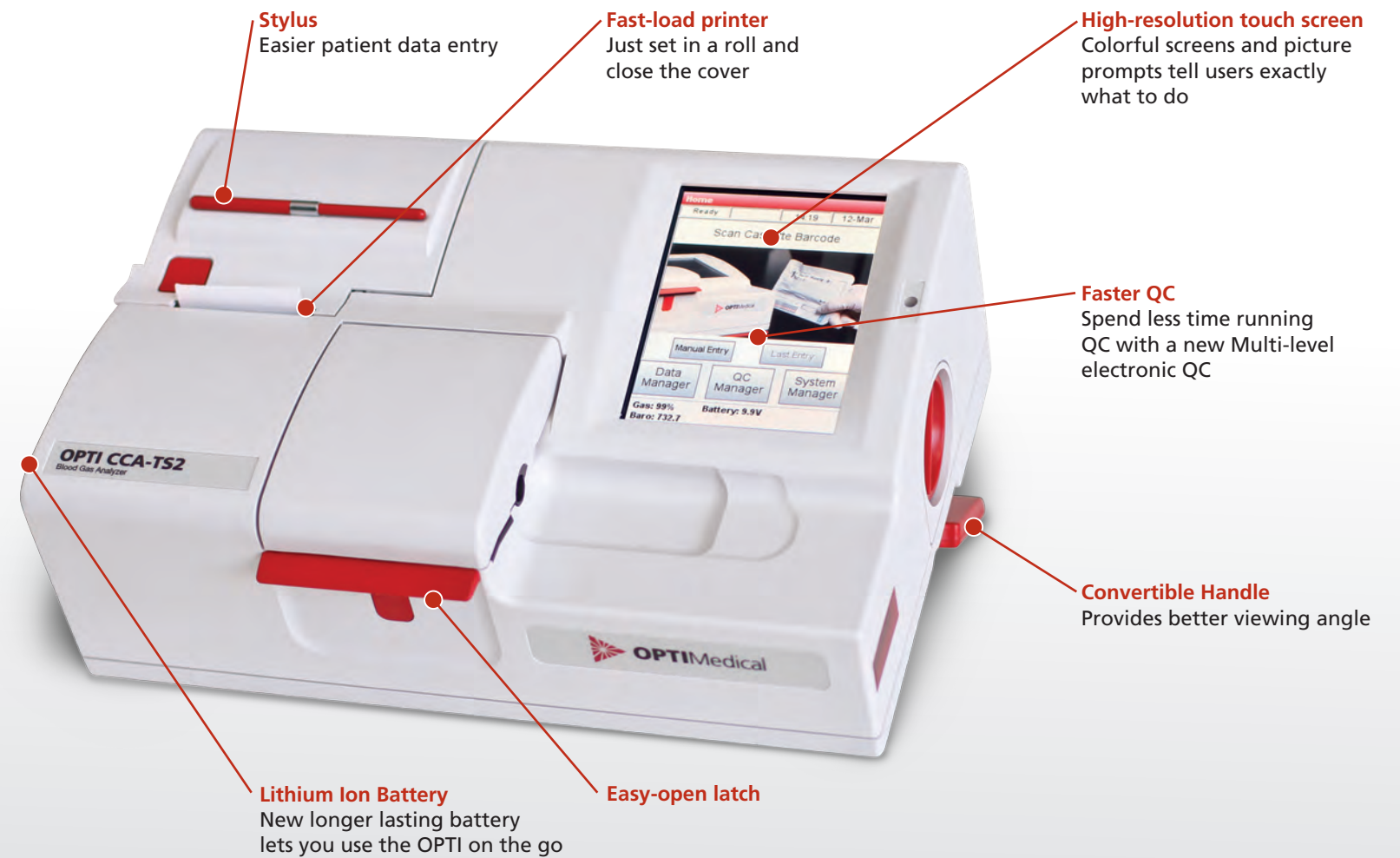
Customize your OPTI to match your workflow with the OPTI CCA-TS2 analyzer's new and improved software. Improve efficiency by setting up custom test panels, patient info entry, and patient reports.

Improved communication

The OPTI CCA-TS2 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.

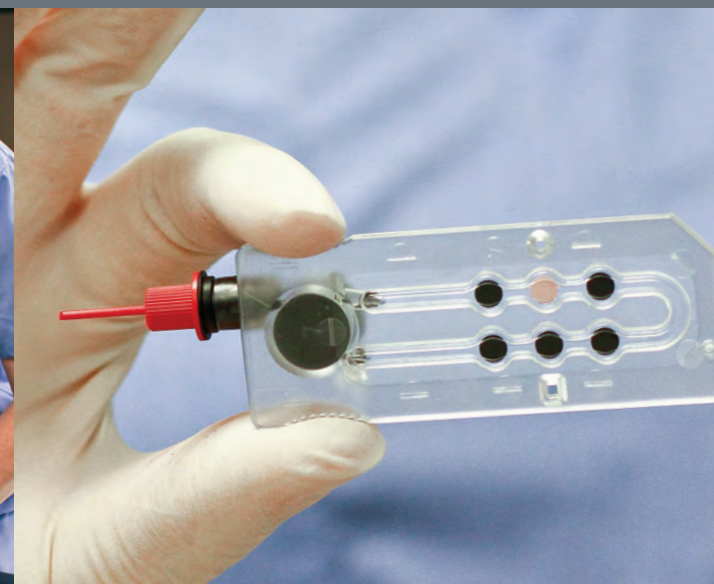


^Δ Speed enhancement varies by cassette style

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 |
|------------------|------|---|---|------|------|-------|-------|-------|
| 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 |

*Not available for sale in the U.S.