Autocorr® Plus
Pulse Oximeter/ECG

The BCI® Autocorr® Plus Pulse Oximeter/ECG monitor is a cost-effective, easily transportable multi-parameter monitor that takes pulse oximetry to another level. Plus, 3 or 5-lead ECG and respiration capabilities expand your monitoring options. Analog output feature interfaces with most polysomnographic equipment to allow monitoring of additional data during overnight sleep studies. Add other parameters as needed for demanding clinical environments with our extensive family of advanced monitoring solutions.

For more information visit smiths-medical.com/bci.
Technical Specifications

DISPLAYS
- Display: Electroluminescent
- Resolution: 160 x 80 pixels
- Waveforms: ECG, Plethysmogram
- Graphic Trends: SpO₂, pulse rate (heart rate), pulse signal strength and respiration
- SpO₂: 3-digit (LED display), .56 inches (14.2 mm high)
- Pulse Rate/Heart Rate (ECG): 3-digit (LED display), 0.43 inches (10.9 mm) high
- Pulse Strength: Logarithmically scaled 10-segment LED bar graph
- Respiration: 3-digit 10 x 14 pixel front (EL panel)

INDICATORS
- Low Battery: LOW BATTERY message when 10 minutes of battery life remains
- Audio Disabled: SILENCED BELL icon indicates temporary or indefinite status
- Asystole Alarm: ALARM LED will flash, ASYSTOLE message on screen flashes
- Lost Pulse Alarm: ALARM LED will flash, LOST PULSE message on screen
- SpO₂ Sensor: Message indicates sensor problem
- SpO₂ Search: Message indicates monitoring is searching for a pulse
- Artifact: Message indicates the presence of excess motion or other artifact
- ECG/Lead Fail: Message indicates a lead disconnect condition
- Charge: Green LED indicates external power and battery is charging

Pulse Detect
A tic mark appears on ECG waveform when pacemaker signal is detected

SpO₂
- Range: 0 to 100% SpO₂ (functional)
- Accuracy: ±2% at 70-100%; ±3% at 50-69%
- Averaging: 4, 8, or 16 pulse beat average
- Alarm Range: High: 50 to 100% and OFF (1% steps)
  Low: 50 to 100% and OFF (1% steps)

PULSE RATE (SP0₂) OR HEART RATE (ECG):
- Range: 30-254 bpm
- Accuracy: ±2% or ±2 bpm
- Alarm Range: High: 30-254 bpm and OFF (1 bpm steps)
  Low: 30-254 bpm and OFF (1 bpm steps)
- Averaging: 8 or 16 second average

ECG
- Configuration: 3 or 5-lead
- Lead Selection: I, II, III, aVR, aVL, aVF and V
- Gain: X1, X2, X4, X8
- Pace Detect: Yes
- Pace Reject: Yes
- Sweep Speed: 12.5 or 25 mm/sec

RESPIRATION
- Measuring Method: Impedance Pneumography
- Rate: 5 to 150 breaths/min
- Accuracy: > of ±2% or ±2 breaths per minute over full range

POWER REQUIREMENTS
- Battery: Standard Lead-Acid battery
- AC Charger: Wall Mount: 105-125 VAC, 60 Hz
  100 VAC, 50 Hz (optional)
  Table Top: 230 VAC, 50/60 Hz

DIMENSIONS
- 3.5” H x 10.0” W x 5.5” D
- 8.89 cm H x 25.4 cm W x 13.97 cm D

WEIGHT
- 5 lbs. (2.27 kg)

ENVIRONMENTAL
- Operating Temperature: 32°F to 131°F (0°C to 55°C)
- Storage Temperature: -40°F to -167°F (-40°C to 75°C)
- Relative Humidity: 10-95% (non-condensing)
  15-95% (operating)

STANDARDS
- EN60601-1, EN60601-1-1, UL 544,
  CSA Std. C22.2 No. 125-1984,
  EMC: EN60601-1-2

REGULATORY COMPLIANCE
- ISO 9001/ISO 13485

CATALOG NUMBER
- 3404-001 Autocorr® Plus Pulse Oximeter/ECG/Respiration Version
- 3404-000 Autocorr® Plus Pulse Oximeter Oximetry Only Version
- 3408 Graphics Printer

Available Languages
- English, German, French, Italian, Spanish and Portuguese