

Model VI-1510P 15" Multi-parameter Patient Monitor

Dimension and Weight

Dimension: 14.4" (W) x 13" (H) x 6.4" (D)

Weight: 11lbs

Features

- * 15" LCD high resolution display
- * Resistance to high electromagnetic power and is protected against defibrillation effects
- * Large font display for distant visibility
- * User friendly operating user interface with feature rich popup menus, dialogue boxes and rotary mouse.
- * Digital SpO2 technology offers anti-motion and anti-low perfusion functions
- * Unique one-screen all-lead ECG display, which can facilitate the diagnosis and analysis of cardiac disease.
- * Audio and visual comprehensive alarm with configurable vital sign limit settings.
- * 168 hours tabular and graphic trends & data storage
- * Capable of printing vital signs data, EKG charts, waveforms with optional built-in thermal recorder.
- * EtCO2 socket made ready. EtCO2 measurement is a plug-n-play with optional Respiroics sidestream/mainstream CO2 sensor module.
- * Drug concentration calculation, ST-segment detection, pace-maker analysis and arrhythmia analysis.

Standard Configuration

EKG/Heart Rate/Respiration (3-lead or 5-lead), NIBP, SpO2/Pulse Rate, Temperature, EtCO2 sensor socket ready, Lithium Battery

Option

Built-in thermal recorder, EtCO2 module (Respiroics EtCO2 LoFlo Sidestream or Capnostat 5 Mainstream), 2-channel IBP, Nellcor SpO2, 12-lead EKG

Specifications

[EKG]

EKG Input: 3- or 5-lead, 12-lead EKG input (option)

EKG Lead: I, II, III, aVR, aVL, aVF, V, V1-V6 (option)

Gain Choice: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x

Scanning Speed: 12.5mm/s, 25mm/s, 50mm/s

Heart Rate Range:

3- or 5-lead EKG module – 10-350 bpm

12-lead ECG module – 25-254bpm

Frequency Response:

3- or 5-lead EKG module – MON 0.5-40Hz, OPS 1-25Hz

12-lead EKG module – MON 0.5-25Hz, OPS 1-15Hz

[NIBP]

Measurement Method: Automatic oscillometry

Patient Types: Adults/Pediatrics/Neonate

Measurement Parameters: Systolic, Mean, Diastolic

Measurement Range: 10-270mmHg

Units of Measurement: mmHg/Kpa

Accuracy:

Static - $\pm 2\%$ or ± 3 mmHg, whichever is greater

Clinical - ± 5 mmHg average error, 8 mmHg standard deviation

[Pulse Rate/SpO2]

Display: Digital and PLETH waveform

Measurement Range: 0-100% Resolution: 1%

Pulse Rate Range: 25-250BPM Accuracy: $\pm 1\%$ or ± 1 bpm, whichever is greater

Resolution: 1BPM

[Temperature]

Measurement range: 0.0–50.0°C

Accuracy: $\pm 0.1^\circ\text{C}$

Unit: Celsius ($^\circ\text{C}$), Fahrenheit ($^\circ\text{F}$)

[Respiration]

Measurement Method: Impedance variation between RA-LL (R-F)

Measurement Range: 0-150 rpm Accuracy: ± 1 rpm

Resolution: 1 rpm

[CO2 (Optional)]

Measurement Type: Sidestream/Mainstream

Measurement Range: 0%-10.0%

Accuracy: ± 2 mmHg

Power Requirements 100-250VAC, 50/60 Hz