



Alpha 101

Patient Monitor

5 Para Monitor

Features :

- 12.1" Color TFT display
- ECG, SpO2, Resp, NIBP, 2-Temp, PR, 2-IBP, EtCO2.
- 120 seconds full-disclosure waveforms review.
- Nellcor Oximax / SpO2.
- SpO2, pulse-tone modulation (Pitch Tone)
- OxyCRG for neonatal monitoring.
- 7 - leads ECG analysis.
- Arrhythmic analysis, ST segment analysis
- Built-in rechargeable Li-ion battery.
- Networkable with Central Monitoring Systems
- Powerfull data storage capacity (96 hours graphic and tabular trends of all parameters, 500 NIBP measurement results, 60 alarm events)
- Large font display
- Pacemaker detection
- Nurse call
- Three channels printing
- Waveform color adjustable
- Alarm limit display

Specification

Physical Characteristics

DIMENSIONS	318mm (W) x 152mm (D) x 264mm (H)
WEIGHT	4.1 Kgs

Performance Specification

DISPLAY	12.1" color TFT.
WAVE FORM	11 waveform max.
INTERFACE	Network port
BATTERY	Rechargeable Li-ion battery Maximum 4.5 hours with full capacity
RECALL	1 - 96 hours trend recall
ALARM	3-level audible and visual alarm
RECORDER	Built-in thermal array 3 traces Paper Width : 48mm Recorder speed : 25mm/s, 50mm/s

ECG

LEAD MODE	3 Leads (R ,L, F or RA, LA, LL) 5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)
4 SELECTABLE PLUS DETECTION LEADS	x 0.25 x 0.5 x 1 x 2 cm/mV Pace detection
7 SELECTABLE LEADS	I, II, III, avR, avL, avF, V
INPUT VOLTAGE RANGE	± 8mV
POLARIZED VOLTAGE	± 500Mv

RESPIRATION

METHOD	Impedance between R-F (RA-LL), R-L (RA-LA)
RESP. RATE MEASUREMENT AND ALARM RANGE	
ADULT	0 rpm ~ 120rpm
NEO/PED	0 rpm ~ 150rpm
RESOLUTION	1 rpm
ACCURACY	±2 rpm
GAIN SELECTION	x0.25 x 0.5 x 1 x 2 x 3 x 4 x

NIBP

METHOD	Oscillometric
MODE	Manual Auto Continuous
MEASURING INTERVAL IN AUTO MODE	1/2/3/4/5/10/15/30/60/90/ 120/240/480 Min
CUFF PRESSURE MEASURING RANGE	
PRESSURE ACCURACY	0 ~ 260 mmHg
MEAN ERROR	± 5 mmHg
MAXIMUM STANDARD DEVIATION	≤ 8 mmHg
OVER VOLTAGE PROTECTION	Dual Overvoltage protection 297 ± 3mmHg
ADULT	240 ± 3mmHg
PEDIATRIC	145 ± 3mmHg
NEONATAL	

SpO2

MEASURING RANGE	0 ~ 100 %
ALARM RANGE	0 ~ 100 %
RESOLUTION	1 %

Temperature

CHANNEL	2
MEASURING RANGE	0 ~ 50°C
SENSOR TYPE	YSI (O Series) and CF - FI
RESOLUTION	0.1°C
ACCURACY	± 0.1°C (20 - 45°C) ± 0.2°C (0 ~ 20°C, 45°C - 50°C)

Operating Environment

OPERATING VOLTAGE	100V - 240V
HUMIDITY	25% / 95% (NON-CONDENSING)
TEMPERATURE	5°C - 40°C

Standard Configurations : ECG, NIBP, RESP, SpO2, 2 - TEMP, Li-ion Battery

Optional Configurations : Nellcor SpO2, 2 - IBP, EtCo2, Thermal Recorder

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