

CRYSTAL MEDICAL SYSTEMS



EROS / EROS PRO Expandable Patient Monitor

- 10.4" and 12.1" colour TFT display with 7 waveforms
- Suitable for adult, pediatric and neonatal patient care
- Basic parameters (ECG, RESP, DUAL-TEMP, SpO2, NIBP) in a durable case for bedside monitoring and transport
- Audible and visual alarms with adjustable alarm ranges
- Full mounting solutions including wall mount, rolling stand
- Networkable with central monitoring system
- Powerful data management and storage capacity (75-hours graphic and tabular trends for all parameters, 300 NIBP measurement, 60 events, 20 arrhythmia events with wave-forms, etc.)

EROS / EROS PRO Expandable Patient Monitor

Technical Specifications

Safety

Meet requirement of IEC60601-1

Dimension and weight

Dimension : 335 x 270 x 200 (mm)
Weight : 4 kg

Power Supply

Power Source : AC mains power or internal battery power
Power Requirements : AC 220V (10%)
Line Frequency : 50 Hz (+_1Hz)
Consumption : 60 W

Operation Environment

Temperature : 10 C to 30 C (50 F to 86 F)
Humidity : 15% to 70%, non condensing

Patient Range

Adult, Pediatric and neonatal

Performance Specification

Display : 10.4"212.1" color active matrix TFT
Resolution : 800x600
Trace : 7 waveforms
Sweep Speed : 12.5, 25, 50mm/s
Alarm indicator light
Power Indicator light
Audio indicators for QRS beep and alarm sound
Interface : Networking
Battery : Rechargeable
Trend time : 1-75 hours
Alarm : 3-level audible and visual alarm
Recorder (optional) : Built-in, thermal array, 3 channels
Record width : 40mm (record paper 50mm)
Record speed : 25mm/s, 50mm/s

ECG

Lead Type : 5 lead
Input : 5-lead (RA;LA;RL;LL;V)
Lead Selection : 5-lead; I ; II ; III
ECG Waveform : 1 Channel
Gain Selection : x0.5, x1, x2, auto
Sweep Speed : 12.5mm/s 25mm/s
Heart rate range : 25-200BPM
Accuracy : 1 BPM
Anti electro-surgical interference and defibrillation

Standard Configuration

ECG, RESP, NIBP, TEMP, SP02

Options

EtC202, IBP, FHR, Thermal Recorder, Li-Ion Battery, Wall Mounting, Trolley

CMRR : Diagnostic mode > 60db
Monitor mode > 60db
S-T Detection : YES
Measurement range : -2.0mV-2.0mV
Arrhythmia analysis : YES
Alarm : YES, Audible and visual alarm, alarm events recallable

Respiration

Method : RA-LL impedance
Measurement Range : 20-250BrPM
Resolution : 1 BrPM
Accuracy : 2% or 2 BrPM, Whichever is Greater
Apnea Alarm : YES, and apnea delay : 10-40 Seconds

NIBP

Method : Oscillometric
Operation Modes : Manual/Automatic
Measurement Unit : mmHg/kPa selectable
Measurement Type : Systolic pressure, Diastolic pressure and mean pressure
Measurement range : Systolic pressure, 50-240mmHg
Diastolic pressure : 25-180mmHg
Mean pressure : 30-200mmHg
Over Pressure Protection : YES
Resolution : 1 mmHg
Alarm : Systolic, Diastolic and Mean

Temperature

Scale : C and F selectable
Measurement Range : 27C-45C
Resolution : 0.1 or 0.1F
Channel : 1 Channel

SpO2

Range : 0-100%
Accuracy : 70%-100% (+_2%)
0%-69% : Unspecified

Pulse Rate

Range : 20-254BPM
Accuracy : 3 BPM

Contact :

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