



Premier Electromedical Care Co.
شرکت خدمات پزشکی الکترونیکی پرایم

DESIGNED FOR LIFE

PEC 12T08



Portable 12" TFT color display with 8 traces

Multi-parameter :ECG, HR, RESP, SPO2, NIBP, TEMP, 2IBP, CO2

Trend for Heartrate , Respiration, APNEA, SPO2, NIBP, CO2

Adult / neonatal applications

Networking with central system

Thermal recorder (optional)

Direct AC power & internal rechargeable battery

Designed to meet : IEC 601 -1 & ANSI / AAMI EC-13

Made in Iran

Specifications

Image

Displaying Wave forms COLOR TFT 800-600, 12" ECG, PLETH, RESP, IBP1, IBP2, capnogram (freezable)
Sweep speed 12.5, 25, 50 mm/sec
Numeric parameters HR, PulseRate, SPO2, RR, Dual Temp, CO2 (EtCO2, AWRR), NIBP (SYS, DIA, MAP), IBP (SYS, DIA, MAP), Alarm Limits
Operation Method Rotary knob & Membrane

ECG

Leads 3 wires, I, II, III
Dynamic Range +5 mV
Leakage Current <10mV
Lead Off Current <90 nA
Gain 4.2, 1, 1/2, 1/4, Auto
Calibrator 1mV, 0.5 SEC
Filters "MONITOR" (0.5-10 HZ)
 "NORMAL" (0.05-40HZ)
 "EXTENDED" (0.05-40HZ)
CMRR >98 dB
Internal Noise < 30mV RTI
Input Impedance >10 M Ohm
QRS Detection Duration: 40 to 120 msec
 Amplitude: 0.5 to 5 mV for Adult
 0.2 to 5 mV for Neonate
 25-250 bpm
 Reject up to 1.2 mV Amp
 Duration: 0.1 -2 msec
 Amp: +2 to + 700 mV
 (Without over / undershoot)
 Reject from Heart Rate counter
 Re-insert into ECG to display on screen
Defibrillator and Electrosurgery
 IEC 601-1 ANSI/AAMI EC-13

RESPIRATION

Method Impedance
Base Resistance 250-1250 ohm
Dynamic Range 0.2-2 ohm
Bearth Rate Range 6-150 bpm

Temperature
Probe Type YSI-700 Cmpatible
Range 0-50 c
Accuracy +0.2 c

SPO2 (Pulse Oximetry)

Method 2 wave length pulse wave
Range 20% to 100%
Accuracy +2% (SPO2 70-100%)
 +3% (SPO2 50-70%)
Pulse Rate Range 25-250 bpm

NIBP

Measurement method Oscillometric
Measurement mode Manual /automatic (intervals between 5 minute to 4 hours)
Measurement time 18-26sec (excluding cuff pressurization time)
Pressure Transducer
Accuracy +3mmHg full range
Initial Inflation Target Adult 150 mmHg
 Neonate 70 mmHg
Overall System Efficacy Meet ANSI/AAMI SP_10/1992
Memory Up to 100 records

IBP

Measurement range -10 to 300 mmHg
Channel 2 channels
Pressure Transducer Sensitivity: 5mmV/V mmHg

CAPNOGRAPHY

Mthod IR Spectrophotometry
Type Sidestream
Capnogram
EtCO2 and AWRR measurement
Measuring range 0 to 75 mmHg for EtCO2 and
 0 to 60 resp/min for AWRR

TREND

Resolution 20 sec
Trend Time 1, 2, 4, 8, 16, 24 Hours
Sources HR, SPO2, RR, T1, T2, IBP1, IBP2, EtCO2, AWRR

ALARM

Alarm on/off
Sources Selectable for all parameters
 HR limits, Asystole, SPO limits
 IBP limits, RR limits, Apnea limit
 Temp limits, NIBP limits
 EtCO2 & AWRR limits
Lead Fault Alarm Message and audio
Alert Blinking on display
 Alarm indicator flashes
 Volume selectable audio alarms

INPUT/OUTPUT

Network connection Digital, Serial, Full Duplex
 8 beds to one central System

GENERAL

Safety Protection IEC 60-1, Class I, Type CF
 Against Electrosurgery and defibrillator
AC Power 200-240 V AC, 50-60HZ, 1A
Internal Battery Sealed Lead Acid, Rechargeable,
 12V, 3.3 AH
 charge Time: 16 Hours
 Usage: 1Hour (full charge)
 12-14 V, 6A
DC Power Plug 37.5(W)*28.6(H)*19.8(D)
Dimension Approx: 6.5 kg
Weight

RECORDER

Model General Scanning
Printing Speed 12.5, 25, 50 mm/sec
Paper 50mm*100 foot roll

ENVIRONMENTAL

Temperature Operating: 0 to 40 c
 Storage: -20 to 60 c



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