



Premier Electromedical Care Co.
شرکت پریمر ایلمدیکال کورپوریشن

NEW DESIGN

PEC 15T08



Portable 15" 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 1024*768, 15" 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 m

Leakage Current <10m

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

Heart Rate Range 25-250 bpm

Tall T-Wave Reject up to 1.2 mV Amp

Pacer Duration: 0.1 -2 msec

Detection/Rejectio Amp: +2 to + 700 mV (Without over / undershoot)_
Reject from Heart Rate counter
Re-insert into ECG to display on screen

Protection Standards 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 Trancducer

Accuracy +3mmHg full range

Initial Inflation Target Adult 150 mmHg
Neonate 70 mmHg

Overall System Efficac 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 Selectable for all parameters

Sources HR limits, Asystolo, SPO limits
IBP limits, RR limits, Apena limit
Temp limits, NIBP limits
EtCO2 & AWRR limits

Lead Fault Alarm Message and audio

Alert Blinking on display
Alarm indicolor 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: 1 Hour (full charge)

DC Power Plug 12-14 V, 6A

Dimension 37.5(W)*28.6(H)*19.8(D)

Weight Approx: 6.5 kg

RECORDER

Model General Scanning

Printing Speed 12.5, 25, 50 mm/sec

Paper 50mm*100 foot roll

ENVIROMENTAL

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



Premier Electromedical Care Co.
شرکت سازه‌های پزشکی الکترونیکی ایران

Kian Building, 1 Third St, West Zartosht St, Tehran 1415784488-IRAN

Tel: +9821 88982612-16 FAX: +9821 88982873

www.pec-equipment.com info@pec-equipment.com