

# Specifications

CE 0120

## General

- Display Model: IP-3010 7 inch wide TFT Color LCD  
Model: IP-3050 8.5 inch wide TFT Color LCD
- Dimension 240 (W) x 230 (H) x 160 (D) [mm]
- Weight 3.0 kg excluding battery
- Resolution 800 x 480 pixel
- Waveforms 5 max
- Interface RS 232 Port, LAN Port

## Printer (Optional)

- Type Thermal
- Paper speed 50 mm/s
- Paper size 2 inch (50.8mm)
- Weight 160g
- Resolution 8 dots/mm
- Total member of dots 203 dots/mm

## Power requirement

- Voltage AC 100-240V~50Hz / 60Hz 100VA
- Battery One battery typically provides operating time of 4 hours per when fully charged with no printing, no external communication, and no audible alarm sound.
- Battery type Li-ion (11.1 VDC/2200mAh)
- Fuse 250V / 5A

## Environmental Conditions

- Operating temperature 10 °C to 40 °C [ 50°F to 104°F ]
- Operating humidity 80% RH max
- Storage temperature -20 °C to 80 °C [ -4°F to 176 °F ]

## ECG

- LEAD 3 / 5 leads  
I, II, III, aVR, aVL, aVF, V (Chest Lead)
- HR (Heart rate)  
Measurement range 20 bpm to 250 bpm
- HR range accuracy  $\pm 3$  bpm or  $\pm 5$  % whichever is greater
- Sweep speed 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
- Lead-off detection YES
- CMRR > 90 dB Minimum at 50 or 60 Hz

## Temperature measurement

- Method Type Thermistor
- Compatible with YSI Series 400 temperature probes
- Parameter displayed TEMP 1, TEMP 2
- Range 10 °C to 45 °C [ 50°F to 113 °F ]  
or 0.1 °F [ 77°F to 113 °F ]
- Display accuracy  $\pm 0.1$  °C (25 °C to 45 °C) [ to °F ]  
 $\pm 0.2$  °C (10 °C to less than 25 °C)  
or  $\pm 0.4$  °F [ 59°F to less than 77 °F ]

## Respiration

- Method Type Trans-thoracic impedance
- Leads RA to LA
- Range 0 to 150 breaths/min
- Accuracy  $\pm 2$  breaths/min
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s

## NIBP

- Measurement Technology Oscillometric method
- Pressure display range 0mmHg to 300mmHg
- Maximum Standard Deviation : 8 mmHg
- Measurement range Adult / Pediatric  
Systolic : 50 to 255 mmHg  
Diastolic : 30 to 220 mmHg  
Mean : 40 to 235 mmHg  
Neonate  
Systolic : 30 to 130 mmHg  
Diastolic : 20 to 100 mmHg  
Mean : 25 to 120 mmHg
- Auto Mode : 1, 3, 5, 10, 30, 60, 90, 120, 240 min

## SpO2 (Pulse oximeter)

- % Measurement range 0% to 100%
- Pulse rate range 25 to 250 bpm
- SpO2 accuracy Adult  
 $\pm 2$  % at 71 to 100%  
 $\pm 3$  % at 50 to 70%  
Neonate  
 $\pm 2$  % at 71 to 100%  
 $\pm 2$  % at 50 to 70%  
0~49 % Unspecified  
 $\pm 2$  % at 25 to 250 bpm
- Pulse rate accuracy  $\pm 2$  % at 25 to 250 bpm
- Perfusion range 0.05% to 20%
- Sweep speed 6.25, 12.5, 25, 50 mm/s

## IBP

- Channel 2 channels
- Method type Pressure transducer method
- Pulse rate range 20 to 250 bpm
- Pulse rate accuracy  $\pm 3$  mmHg
- Pressure measurement range 0 to 300 mmHg
- Parameter displayed P1, ABP  
P2, CVP, PAP, LAP

## EtCO2 (Option)

- Method type Non-dispersive infrared  
Single beam optics, dual wavelength,  
no moving parts
- CO2 measurement range 0 to 150mmHg  
0 to 40mmHg  $\pm 2$ mmHg  
41 to 70mmHg  $\pm 5$ % of reading  
71 to 100mmHg  $\pm 8$ % of reading  
101 to 150mmHg  $\pm 10$ % of reading
- Respiratory rate range 0 to 150 bpm
- Respiratory rate accuracy  $\pm 1$  breath
- Sweep speed 6.25, 12.5, 25.0 mm/sec



# IP-3000 Series Purescope

- 7 inch, 8.5 inch high resolution wide TFT Color LCD Screen
- Detection of 12 kinds of ECG arrhythmia alarms
- 5 hours charging and 4 hours operating battery
- 3 kgs compact & light design



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ISO 13485:2003  
ISO 9001:2008



# Purescope

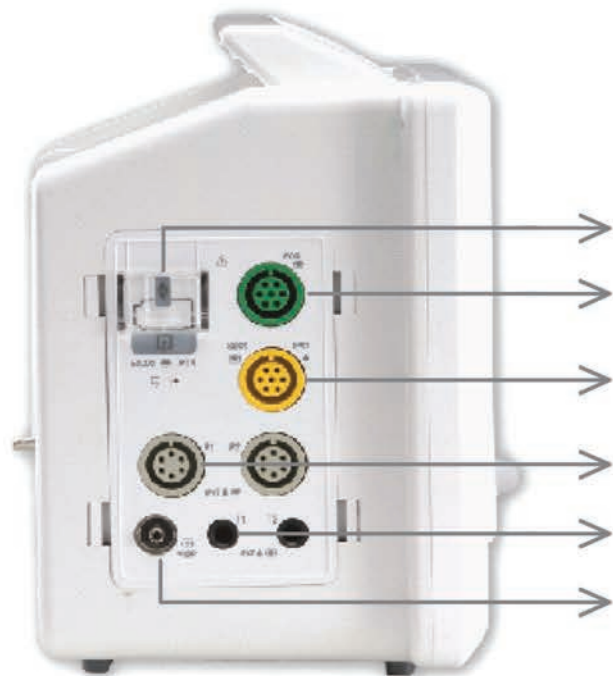


8.5 inch LCD screen

7 inch LCD screen

Enhanced health care system  
Combination of effective and precise technology  
with simple and compact design

## Easy-to-use design



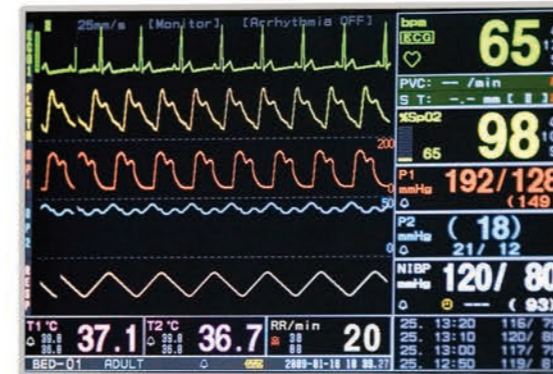
- EtCO2 Module : Measures CO2 concentration waveform and EtCO2 concentration using the sidestream
- ECG Module : Measures cardiac output using the thermodilution method
- SpO2 Module : Measures oxygen saturation
- IBP Module : Measures invasive blood pressure
- Temperature Module : Dual channel temperature
- NIBP Module : Measures non-invasive blood pressure

## ECG, SpO2, NIBP, 2- IBP, 2-Temperature, Respiration ( EtCO2 / Printer )

- 800 x 480 high resolution Wide TFT Color LCD Screen
- 3 kgs Compact and light weight design for portable environment
- Detecting the ECG arrhythmia alarm
  - 12 kinds of arrhythmia
  - Display of PVC & ST Level
- Pacemaker detection
- High performance Battery Capability
  - 5 hours charging time
  - 4 hours operating time
- 72 hours of graphic and tabular trend
- Interface: RS-232 port and LAN port (option)

## Display pattern

You can change the composition and color of menu and waveform as you wish.



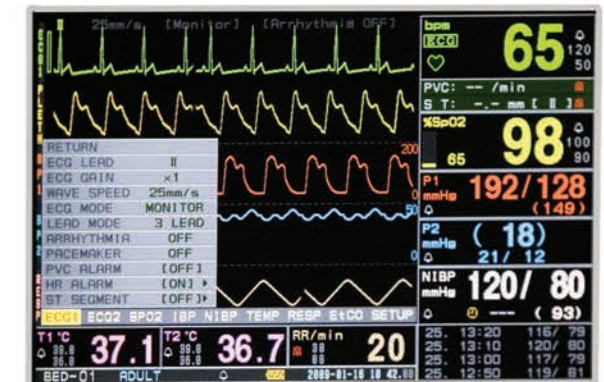
5 Channel main display



3 Channel display / IBP disable mode



Trend display



Menu selection table