

IP-5000

Multi-Parameter Patient Monitor

2ch ECG / SpO2 / NIBP / 2ch IBP / 2ch Temp / Respiration
Optional EtCO2

IP-5000 is

15 inch Multi-Parameter Color Patient Monitor
High resolution (1024*768) XGA TFT Color LCD

ECG Analysis

PVC and ST Level Display / Pacemaker Detection
Detection of 12 kinds of arrhythmia

Advanced SpO2

PureSET SpO2 Technology
SpO2 Averaging (4/8/12/16) Technology

EtCO2 module

Nihon-Kohden Mainstream EtCO2

Features

Easy to Use

Selectable 9 wave / 5 wave / 3 wave / Big Font Display
Configurable color and font of parameters
Configurable color of waveforms
Touch screen / Hard Keys

Transportable

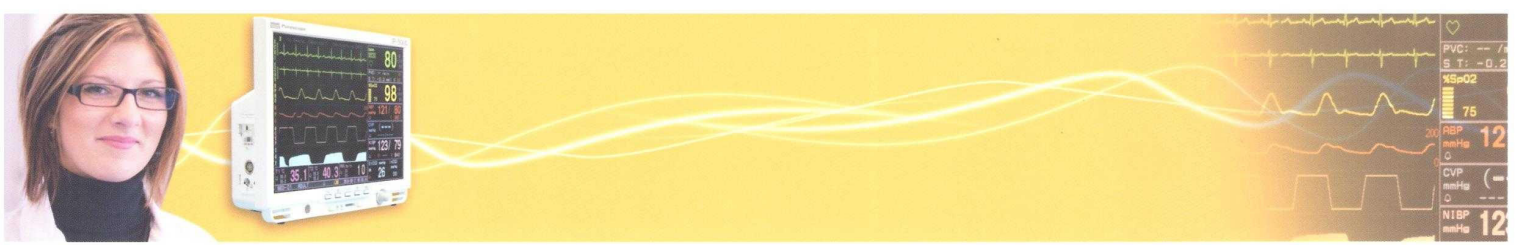
Up to 3 hours use with a battery
Light weight of 5 kgs

Quick Start-Up

Less than 2 seconds

168 hours of tabular and graphic trend data
RS-232 port or LAN (Option)
Multi-national Languages (7 Languages)
Rolling stand and Wall mount
Central Monitoring System
(LAN.Wi-Fi / HL7 Capable)





General

- Display Model IP-5000 15 inch XGA TFT Color LCD
- Dimension 340(W) × 300(H) × 190(D) [mm]
- Weight 5.0kg excluding accessories
- Resolution 1024 × 768 Pixel (XGA)
- Waveforms 9 max
- Interface RS 232 Port, LAN Port (Optional)
- Touch screen (Optional)

Printer(Optional)

- Type Thermal
- Paper speed 50 mm/s
- Paper size 2 inch (50.8mm)
- Weight 153g
- Resolution 203 dpi : 8dots,mm

Power requirement

- Voltage AC 100-240V~50Hz/60Hz 100VA
- Battery One battery typically provides operating time of 3 hours per when fully charged with no printing, no external communication, and no audible alarm sound.(Without Option)
- Battery type Li-ion (10.8VDC/3250mAh)
- Fuse 250V / 5A

Environmental Conditions

- Operating temperature 5°C to 40 °C [41°F to 104 °F]
- Operating humidity 15% to 85% RH, non-condensing
- 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 300 bpm
- HR range accuracy ±3 bpm or ±5% whichever is greater
- Sweep speed 6.5mm/s, 12.5mm/s, 25mm/s, 50mm/s
- Lead-off detection YES
- CMRR > 90 dB at 50 or 60 Hz
- Gain x1, x2, x1/2

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]
- Display accuracy ± 0.1 °C (25°C to 45°C) [to°F]
± 0.2 °C (10°C to less than 25°C) [to°F]

Respiration

- Method Type Trans-thoracic impedance
- Leads RA to LA
- Range 0 to 150 breaths/min
- Accuracy ±1 breaths/min
- Sweep speed 6.5mm/s, 12.5mm/s, 25mm/s

NIBP

- Measurement Technology Oscillometric method
- Pressure display range 0mmHg to 300mmHg
- Pressure accuracy Max.STD. Deviation 8mmHg
Max.Mean Error ±5mmHg

Measurement range

Adult / Child	Systolic : 50 to 255 mmHg Diastolic : 30 to 220 mmHg Mean : 40 to 235 mmHg
Infant / Neonate	Systolic : 30 to 130 mmHg Diastolic : 20 to 100mmHg Mean : 25 to 120 mmHg

- Auto Mode : 1, 3, 5, 10, 30, 60, 90, 120, 240 min

SpO2 (Pulse oximeter)

- % Saturation range 0% to 100%
- Pulse rate range 25 to 250 bpm
- SpO2 accuracy Adult 70 to 100 % ± 2%
Neonate 70 to 100 % ± 3%
- Pulse rate accuracy ±2bpm
- Perfusion range 0.05 % to 20 %

IBP

- Channel 2 channels
- Method type Pressure transducer method
- Pulse rate range 20 to 250 bpm
- Pulse rate accuracy ±1 % or ±1 bpm
- Pressure measurement range - 50to + 300 mmHg
- Parameter displayed P1,ABP
P2, CVP, PAP, LAP

EtCO2 (Optional)

- Nihon-Kohden Mainstream Capnography CO2

Method type	Mainstream (semi-quantitative method)
Warm Up Time	About 5 Sec.
Sweep Speed	6.5 mm/s, 12.5 mm/sec, 25.0 mm/sec
CO2 Measurement range	0-100 mmHg
CO2 accuracy	±3 mmHg 0 ≤ CO2 ≤ 10 mmHg ±4 mmHg 10 < CO2 ≤ 40 mmHg ±10% reading 40 < CO2 ≤ 100 mmHg
Detectable respiration rate/accuracy	3 to 150 breath/min ±10%

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Drake Calibration
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