

# BT-750

## Multi-Parameter Patient Monitor

2ch ECG / SpO2 / NIBP / 2ch IBP / 2ch Temp / Respiration  
Optional Built-In EtCO2

### BT-750 is

10.4 inch Multi-Parameter Color Patient Monitor  
High resolution (800\*480) / WideScreen (16:9) TFT LCD  
7 parameters along with 6 waveforms

### 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

Built-In Respiration EtCO2 module

### Features

#### Easy to Use

Selectable 6 wave / 5 wave / 4 wave / 3 wave Display  
Configurable color and font of parameters  
Configurable color of waveforms

#### Transportable

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

#### Quick Start-Up

Less than 2 seconds

72 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 (UDP type)



# BT-750

## Genett

- Display Model IP-4050 10.4 inch wide TFT color LCD
- Dimension 257 (W) x 236 (H) x 158 (D) [mm]
- Weight 3.0 kg excluding accessories
- Resolution 800 x 480 pixel
- Waveforms 6 max
- Interface RS 232 Port, VGA 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 : 8 dots/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 ( 11.1 VDC/2200mAh)
- Fuse 250V / 5A

## Environmental Conditions

- Operating temperature 10 °C to 40 °C [ 50°F to 104 °F]
- Operating humidity 15 % to 90 % RH, non-condensing
- Storage temperature -20 °C to 50 °C [ -4°F to 122 °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  $\pm 3$  bpm or  $\pm 3$  % whichever is greater
- Sweep speed 12.5 mm/s, 25 mm/s, 50 mm/s
- Lead-off detection YES
- CMRR > 90 dB at 50 or 60 Hz
- Gain 5, 10, 20 mm/mV

## Temperature measurement

- Method Type Thermistor
- Compatible with YSI Series 400 temperature probes
- Parameter displayed
- Range 10 °C to 45 °C [ 50 °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) [ to °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
- Pressure display accuracy Less than  $\pm 3$  mmHg
- Measurement range  
Adult / Child Systolic : 50mmHg to 255mmHg  
Diastolic : 30mmHg to 220mmHg  
Mean : 40mmHg to 235mmHg  
Infant / Neonate Systolic : 30 to 130 mmHg  
Diastolic : 20 to 100 mmHg  
Mean : 25 to 120 mmHg
- Measurement Mode Manual , Auto , STAT
- Auto Mode 1, 3, 5, 10, 30, 60, 90, 120, 240 min

## SpO2 (Pulse oximeter)

- % Saturation range 0% to 100%
- Pulse rate range 20 to 300 bpm
- SpO2 Accuracy  
Adult 70 to 100% :  $\pm 2$ %  
Neonate 70 to 100% :  $\pm 3$ %  
0 ~ 69% : Unspeci ed
- Pulse rate accuracy 20 to 300 bpm  $\pm 2$  %
- 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  $\pm 1$  % or  $\pm 1$  bpm
- Pressure measurement range - 50 to + 300 mmHg
- Parameter displayed P1, ABP  
P2, CVP, PAP, LAP

## EtCO2 (Optional)

- Built-In Respiration Sidestream
- 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 2 to 150 bpm
- Respiratory rate accuracy  $\pm 1$  breath