

UTILITY PATIENT MONITORS



INTRODUCING ALL NEW BPM-770™



BPM-770™

FEATURES

- 📶 Multi-parameter patient monitors for ICU & Recovery wards
- 📶 **STANDARD** configuration comes with ECG, Respiration, SpO2, NIBP, TEMP(1CH), IBP(1CH)
- 📶 Improved **BASIC PARAMETERS** with the **NEW ECG (T. I®)**, **NEW SpO2(ITEC®)** and **NEW NIBP(OMRON®)** on board
- 📶 Supports 72 hours of graphical and tabular trends
- 📶 13 kinds of Arrhythmia detection
- 📶 Supports HL7 protocol and EMR system
- 📶 **Optional:** PHILIPS Respironics® Capnography (EtCO2) support
- 📶 **Optional:** Central Monitoring System (up to 64 beds)
- 📶 **Optional:** Available with the Long lasting (4 hours) Heavy duty battery **PACK**

NEW BIONICS CORE ENGINES		
NIBP OMRON Inside!	SpO2 CHIPO2 Inside!	ECG ASD1298 Inside!

Bio-signal PARAMETER Supported (★ means accessory included)

STANDARD	SpO2	NIBP	ECG	Respiration	TempX1	IBP	OPTIONAL	EtCO2
Accessories	★	★	★	★	★			

Technical Specification on BPM-770

DISPLAY

Display: 7.0" color TFT LCD
 Resolution: 800(H) X 480(V) WVGA
 Trace line: 6 Max
 Sweep Speed: 6.3 / 12.5 / 25 mm/sec

Parameters

Display: SpO2, 1xTemp, NIBP, EtCO2, OXY-CRG, APG detect analysis, mini trend, NIBP Text trend, Color change
STANDARD: SpO2, Temp, ECG, Respiration, NIBP, IBP (socket only)
OPTIONAL: CAPNOGRAPHY (EtCO2)

Blood Oxygen Saturation (SpO2)

Display Range
 - SpO2: 0% ~ 100%
 - Pulse Rate: 30 ~ 254 bpm
 Limits
 - Preset Range

	Adult	Neonates
Saturation High (SpO2)	100%	95%
Saturation Low (SpO2)	85%	80%
Pulse Rate High	140 bpm	200 bpm
Pulse Rate Low	55 bpm	100 bpm

- Alarm Range

	HIGH	LOW
Saturation	50-100 & OFF(1% steps)	50-99% OFF(1% steps)
Pulse Rate	30-254 bpm & OFF	30-254 bpm & OFF

- Saturation Accuracy (SpO2 (%) ± 1SD)

Saturation	± 2% @ 70-100% < 70% unspecified
Pulse Rate	± 2 bpm or ± 2 % (whichever is greater) @ 30-300 bpm

Perfusion Index: 0 ~ 20%

NIBP(OMRON)

Technique: Oscillometric
 Measurement Range: Adult/Pediatric: 0 ~ 300 mmHg
 Neonatal: 0 ~ 150mmHg
 Accuracy: ± 2 BPM or ± 2%, whichever is greater
 Pulse Rate Range: Adult/Pediatric: 40 ~ 200 BPM
 Neonatal: 40~240 BPM
 Operation Mode: Manual, Auto, Continuous, STAT
 OPTION: replaceable SUNTECH® module for Human & VET

Temperature

Channel: 2
 Type: YSI - 400 Serise
 Measurement range: 0 ~ 50.0 °C
 Accuracy: ± 0.1 °C, for readings 25.0 ~ 50.0 °C
 ± 0.2 °C, for readings 0 ~ 24.9 °C
 Temp TD: Support

Capnography (EtCO2 - Optional)

Measurement Mode: Respironics Mainstream/Sidestream
 Measurement range: 0~150mmHg (kPa / %)
 Accuracy: 0-40 mmHg ± 2mmHg
 41-70 mmHg ± 5mmHg
 71-150 mmHg ± 10mmHg
 GAIN: X0.25, X0.5, X1, X2, X4, AUTO
 Sweep Speed: 3.12, 6.25, 12.5, 25, 50mm/sec
 Respiration rate: 0-150 bpm / Accuracy ± 2% or ± 2 bpm
 71-150 mmHg ± 10mmHg
 GAIN: X0.25, X0.5, X1, X2, X4, AUTO
 Sweep Speed:
 3.12, 6.25, 12.5, 25, 50mm/sec
 Respiration Rate:
 0-150 bpm / Accuracy ± 2% or ± 2 bpm



Technical Specification on BPM-770(Continues)



ECG

- Channel: 3 channels (Std.) / 12 channels EKG(Opt.)
- Electrode: 3 or 5 electrode (10 electrodes (Opt.))
- 3 lead wire: I, II, III (1 lead at a time)
- 4 lead wire: I, II, III, aVR, aVL, aVF (Up to 6leads at a time)
- 5 lead wire: I, II, III, aVR, aVL, aVF, V (Up to 7leads at a time)

Printer (Option)

- Channel: 3
- Paper size: 58 mm

Language

Parameters: ENGLISH, SPANISH, GERMAN, ITALIAN, FRENCH, CHINESE, RUSSIAN, CZECH, POLISH
(Can be applied to all languages.)

Interface

Port: RS-232, LAN and Wireless LAN/ Adaptor Input
SD Memory Card Port/ Nurse Call Port

Trend

Parameter: Heart Rate, SpO2, Pulse Rate, NIBP, Temp, EtCO2
For 72 hours (every 1 min for up to 4,320 data save)

Battery

Internal Battery: Li-ion Battery (DC: 11.1V/2.6A_Std.)
Heavy Duty battery pack (10.8V/4.4A _Opt.)
Operating time: Min. up to 2 hours (Std.) / Max. up to 4hours (Opt.)

Power requirements

Voltage input: 100-240V~, 50-60Hz
Power consumption: 90VA

Ordering BPM-770

Ordering (Predefined configuration)

STD/OPT	Cat No	Trademarks, product description
STANDARD (STD)	BPM0770	BIONICS® BPM-770 7" Patient Monitor (STANDARD PACKAGE)
OPTIONAL	BPM0770D	BPM0770 with HEAVY DUTY BATTERY PACK
	BPM0771	BIONICS® BPM-770 7" Vital Sign Monitor STANDARD PACKAGE with Printer
	BPM0771D	BPM0771 with HEAVY DUTY BATTERY PACK
	BPM0772	BIONICS® BPM-770 7" Vital Sign Monitor (CAPNO PACKAGE)
	BPM0772D	BPM0772 with HEAVY DUTY BATTERY PACK
	BPM0773	BIONICS® BPM-770 7" Vital Sign Monitor CAPNO PACKAGE with Printer
	BPM0773D	BPM0773 with HEAVY DUTY BATTERY PACK

[DEFINITIONS]

STANDARD PACKAGE(STDP) Monitor that is factory standard and that is predefined as STANDARD configuration
OPTIONAL Monitor that is added with extra options predefined by factory / printer is optional
CAPNO PACKAGE Monitors that supports Capnograohy, End Tidal CO2 (EtCO2) measurements on top of STDP

STANDARD Accessories & in-box items including

- Monitor (1)
- ECG cable, 5 leads Type (1)
- ECG Electrode (5)
- NIBP cuff for adult (1)
- NIBP connection hose (1)
- SPO2 probe for adult (1)
- Temp probe for RECTAL (1)
- User Manual (1) / AC-DC Adapter and power cord (1)

EXTRA APPLICABLE OPTIONS

- ★ CENTRAL management (FOR 16 BEDS OR 20 BEDS)
- ★ SUNTECH® Advantage 2.0 NIBP module (REPLACING STANDARD NIBP MODULE).
- ★ HEAVY DUTY BATTERY PACKAGE IS AVAILABEL FOR ALL BPM-770 MONITOR ARRANGEMENTS
- ★ FOR OTHER INFORMATION ON PURCHASABLE ACCESSORIES, PLEASE ASK REMED SALES REPRESENTATIVE.

MOBILE STAND



OPTIONAL (PREDEFINED) Accessories & in-box items including

- For CAPNO package
- ALL STDP + Sidestream EtCO2 module kit: RESPIRONICS® LOFLO™ OR
 - ALL STDP + Mainstream EtCO2 kit: RESPIRONICS® CapnoStat 5™



PRINTER (OPTION)



PARAMETER INTERFACE

Contents may be different and is subject to change without notice

Manufacturing by BIONICS CO.,LTD

23-19 Nonggongdanji-gil, Hongcheon-eub, Hongcheon-gun, Gangwon-do, Korea
TEL. 033-434-9041

Sales & Marketing by REMED CO.,LTD

4F SiliconPark A, 35, Pangyo-ro 255 beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13486 Korea
Dir. +82 31 696 4899/ Mobile. +82 10 6287 6807/Fax. +82 31 696 4877 http://www.remed.kr

