BPL

Happier Living Everyday

MULTI PARAMETER MONITOR

MAGNA

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- 7” (17.8 cms) Colour TFT LCD Screen with LED back light
- ECG, SpO_2 and NiBP
- Arrhythmia indication
- 24 Hours Graphical and Tabular Trend
- Zoom option in graphical trend
- 24 Hours NiBP Trend with Alarm condition
- User Selectable Colour Scheme
- Separate visual alarm indicators for ECG, SpO_2 & NiBP
- Audible Alert tones
- Built-in Rechargeable Battery

A16317 UL REGISTERED FIRM ISO 13485:2003 ISO 9001:2000

BPL Limited

TECHNICAL SPECIFICATIONS

GENERAL	Display	Colour TFT LCD with LED back light
	Display area	153.60 x 86.64
	Resolution	800 x 480 pixels
	Writing speed	25mm/sec
	Alarms	Visual (Bell) & Audio
	Freeze	On demand
	Keyboard	Flat
	CNS Back panel connector	9 Pin D-sub Connector
	Dimensions	235 x 174 x 140 mm
	Weight	2.5Kgs (Approx)
POWER SUPPLY	AC-DC adapter	15V DC/1.5 A (BPL Supplied)
	AC mains variation	100 – 264 V AC
	Power consumption	< 22VA
	Battery	Rechargeable NiMH 9.6V/1800mAh
	Battery Backup duration	120 minutes (min) continuous with a fully charged battery
SpO_2	Patient Safety	Class 1 BF type applied part
	Amplifier	Fully Isolated
	SpO_2 Range	0 – 100%
	Accuracy	± 2% at 80 – 100%; ± 3% at 70 – 79%; ± 3.5% at 60 – 69%
	Low Alarm Limit Range	50 ~ 95%
	High Alarm Limit Range	55 ~ 100%
	Resolution	1%
	Pulse Rate range	30 – 240 BPM
	Pulse Rate Accuracy	±2BPM or 2% whichever is higher
	Plethysmograph	Displayed on channel 2 Auto gained
	DOLPHIN Module (optional)	
	Patient Safety	Class 1 BF type applied part
	Amplifier	Fully isolated
	SpO_2 Range	0 – 100%
	Accuracy	± 3% at 70 – 100%; Unspecified at 0-69%
	Low Alarm Limit Range	50 ~ 95%
	High Alarm Limit Range	55 ~ 100%
	Resolution	1%
	Pulse Rate Range	30 – 240 BPM
	Pulse Rate Accuracy	±5BPM
	Plethysmograph	Displayed on channel 2 (auto gain)
ECG	Patient Safety	Class 1 CF
	Defibrillator Protected	Yes
	Leads	User selectable I, II, III
	Heart Rate range	30 – 250 BPM
	Heart Rate Accuracy	±2BPM or 2% whichever is higher
	Low Alarm Limit Range	30 to 240 BPM
	High Alarm Limit Range	40 to 250 BPM
	Bandwidth	0.5Hz to 35Hz
	User gain settings for 1mV	5mm, 10mm, 15mm, 20mm
	CMRR	> 90dB @ 50Hz
	Input impedance	> 2.5Mohms
	Leakage Current	<10µA
	Patient Isolation	> 4000 V AC @ 50Hz for 1 minute
	Reset Recovery	Automatic return of waveform within 0.5 seconds after defibrillation or electrical overload
	ECG Display	6 seconds real time ECG on channel 1
	Arrhythmia Definition	
	Asystole (ASSY)	No QRS complexes are detected for more than 4 seconds
	Bradycardia (BRDY)	If the HR value of the patient drops below 50 BPM
	Tachycardia (TACH)	If the HR value of the patient exceeds 150 BPM
	Missed Beat (MSBT)	If present RR interval is > 1.9 times of previous average RR interval
NiBP	Method	Automatic Oscillometric
	Parameters	Systolic, Diastolic and Mean arterial pressure
	Operating Modes	Manual, Automatic & Turbo
	Cycle Times in Auto mode	1, 2, 3,4, 5, 10, 15, 30, 60, 90 minutes
	Operating time in Turbo mode	5 Minutes
	Blood Pressure Measure Range	In mmHg
	Systolic	30 ~ 260 for Adult, 30 ~ 160 for Child, and 25 ~ 120 for Neonate
	Diastolic	20 ~ 235 for Adult, 15 ~ 130 for Child, and 10 ~ 105 for Neonate
	Mean	20 ~ 255 for Adult, 15 ~ 140 for Child, and 10 ~ 110 for Neonate
	Typical determination Time (without artifact)	30 ~ 45 seconds
	Blood Pressure Accuracy	Meets ANSI/AAMI SP10-2002, EN 1060-4
	Cuff Inflation time	Maximum 20 seconds
	Air Leakage rate	<2mmHg / minute
	Low Alarm Limit Range	Systolic: 30 ~ 250 mmHg; Diastolic: 10 ~ 215 mmHg
	High Alarm Limit Range	Systolic: 35 ~ 255 mmHg; Diastolic: 15 ~ 220 mmHg
ENVIRONMENTAL	Temperature	Operating: 10 to 40°C; Transport and Storage: 20 to 60°C
	Relative Humidity	Operating: <85 % non condensing; Transport and Storage: 10 to 90 % non condensing

STANDARD ACCESSORIES	ECG Patient Cable	1 No.	SpO_2 Cable with finger Probes	1 No.
	Adult Reusable NiBP Cuff	1 No.	Small adult Reusable Cuff	1 No.
	Paeditric Reusable Cuff	1 No.	Disposable Electrodes	30 Nos.
	AC-DC Adapter	1 No.	Accessory Bag	1 No.
	User Manual	1 No.	Clip Patient Cable	1 No.

** Due to constant upgradation, specifications & features subject to change without prior notice.*

Your nearest BPL Channel Partner address

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