

PATIENT MONITORING

MULTI-PARAMETER ZX 12

ECG/ SPO2/ NIBP/
RESP/ TEMP



Product Features

- High-quality TFT LCD 12.1 inch screen
- Basic monitoring parameters including ECG, SPO2, NIBP, Temp, Resp., HR/PR
- Precise, Reliable & User Friendly
- Sturdy, Robust design
- For Adults, Pediatric & Neonates

CUSTOMER CARE ☎ +91 98300 56776

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TECHNICAL SPECIFICATIONS

ECG

■ Lead Mode	5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)
■ Lead selection	I, II, III, avR, avL, avF, V,
■ Waveform	2 ch
■ Lead mode	3 Leads (R, L, F or RA, LA, LL)
■ Lead selection	I, II, III,
■ Waveform	1 ch
■ Gain.	x 2.5mm/mV, x 5.0mm/mV, x 10mm/mV, x 20mm/mV, auto
■ HR and Alarm	
■ Range	
■ Adult	15 ~ 300 bpm
■ Neo/Ped	5 ~ 350 bpm
■ Accuracy	± 1% or ± 1bpm, which great
■ Resolution	1 bpm
■ Sensitivity	> 200 (uV P-P)
■ Differential Input Impedance	> 5 MΩ
■ CMRR	
■ Monitor	> 105 dB
■ Operation	> 105 dB
■ Diagnosis	> 85 dB
■ Electrode offset potential	x 300mV
■ Leakage Current	< 10 uA
■ Baseline Recovery	< 3 S After Defi.
■ ECG Signal Range	x 8 m V (Vp-p)
■ Bandwidth	
➢ Surgery	1 ~ 15 Hz
➢ Monitor	0.5 ~ 35 Hz
➢ Diagnostic	0.05 ~ 100 Hz
■ Calibration Signal	1 (mV p-p), Accuracy ± 5%
■ ST Segment	Measure and Alarm -2.0 ~ +2.0 mV Monitoring Range
■ ARR Detecting	
➢ Type	ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, TRIGEMINY, R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP, PNC
➢ Alarm	Available
➢ Review	Available

RESPIRATION

■ Method	Impedance
between R-F(RA-LL)	
■ Differential Input Impedance	> 2.5 MΩ
■ Measuring Impedance Range:	0.3~5.0Ω
■ Base line Impedance Range:	0 - 2.5 KΩ
■ Bandwidth	0.3 ~ 2.5 Hz
■ Resp. Rate	

■ Measuring and Alarm Range	
➢ Adult	0 ~ 120 rpm
➢ Neo/Ped	0 ~ 150 rpm
➢ Resolution	1 rpm
➢ Accuracy	± 2 rpm
■ Apean Alarm	10 ~ 40 S

NIBP

■ Method	Oscillometric
■ Mode	Manual, Auto, STAT
■ Measuring Interval in AUTO Mode	1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 180, 240, 480 (Min)
■ Measuring Period in STAT Mode	5 Min
■ Pulse Rate Range	40 ~ 240 bpm
➢ Alarm Type	SYS, DIA, MEAN
➢ Measuring and alarm range	
➢ Adult Mode	SYS 40 ~ 270 mmHg DIA 10 ~ 215 mmHg MEAN 20 ~ 235 mmHg
➢ Pediatric Mode	SYS 40 ~ 200 mmHg DIA 10 ~ 150 mmHg MEAN 20 ~ 165 mmHg
➢ Neonatal Mode	SYS 40 ~ 135 mmHg DIA 10 ~ 100 mmHg MEAN 20 ~ 110 mmHg
■ Resolution	
➢ Pressure	1mmHg
■ Accuracy	
➢ Pressure	
Maximum Mean error	± 5mmHg
Maximum Standard deviation	± 8mmHg
■ Overpressure Protection	
Adult Mode	297±3 mmHg
Pediatric Mode	240±3 mmHg
Neonatal Mode	147±3 mmHg

SpO2

■ Measuring Range	0 ~ 100 %
■ Alarm Range	0 ~ 100 %
■ Resolution	1 %
■ Accuracy	70% ~ 100% ± 2 % 0% ~ 69% unspecified
■ Actualization interval	about 1 Sec.
➢ Alarm Delay	10 Sec.
■ Pulse Rate	
➢ Measuring and Alarm Range	0~254bpm
➢ Resolution	1bpm
➢ Accuracy	± 2bpm

TEMPERATURE

■ Channel	2-ch
■ Measuring and Alarm Range	0 ~ 50 °C
■ Resolution	0.1°C
■ Accuracy	
■ Actualization interval	about 1 Sec.
■ Average Time Constant	< 10 Sec.

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