

SCOPE-800

Vital Signs Monitor



Features

- 3.5 inch high resolution LCD display of SpO2/ECG waveform
- Table top design with user friendly operation
- Upto 12000 groups of NIBP, 3000 groups SpO2 and event record
- Historic data records can be reviewed in waveform, list or trend graph
- Data export and software upgrading can be done by USB cable
- Flexible configurations among SpO2, NIBP, TEMP and ECG
- Nellcor compatible SpO2, SunTech NIBP and Infrared ear probe available

Product Accessories



ECG cable

NIBP cuff

Skin temp probe

Infrared ear probe SpO2 sensor

Oxford Medical Group Inc.

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NIBP



SpO2



ECG



TEMP



Pulse Rate



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NIBP

Technique	Oscillometric	
Measurement accuracy	Maximum mean difference: ± 5 mmHg Maximum standard deviation: 8 mmHg	
Measuring range		
Systolic pressure	Adult	40mmHg~275mmHg
	Pediatric	40mmHg~200mmHg
	Neonate	40mmHg~135mmHg
Diastolic pressure	Adult	10mmHg~210mmHg
	Pediatric	10mmHg~150mmHg
	Neonate	10mmHg~95mmHg
Mean arterial pressure	Adult	20mmHg~230mmHg
	Pediatric	20mmHg~165mmHg
	Neonate	20mmHg~110mmHg
Measurement mode	Manual, Auto, STAT	
Overpressure protection limit	Adult	300mmHg
	Pediatric	240mmHg
	Neonate	150mmHg

SpO2

Transducer	Dual-wave length LED
SpO ₂ measuring range	35%~100%
SpO ₂ measuring accuracy	3% for range from 70% to 100%
Low perfusion performance	As low as 0.4%

Pulse Rate

Measuring range	30bpm~240bpm
Measuring accuracy	± 2 bpm or $\pm 2\%$, whichever is greater

ECG

Input dynamic range	± 0.5 mVp~ ± 5 mVp
HR measuring range	15bpm~350bpm
HR measuring accuracy	$\pm 1\%$ or ± 2 bpm, whichever is greater
HR alarm delay time	≤ 10 s
Sensitivity selection	$\times 1/4$, $\times 1/2$, $\times 1$, $\times 2$
Sweeping speed	25mm/s
ECG noise level	$\leq 30\mu$ Vp-p
ECG input loop current	$\leq 0.1\mu$ A
Differential input impedance	≥ 10 M Ω
Common-mode rejection ratio	≥ 105 dB

TEMP

Measuring range	21.0 C~50.0 C
Measuring accuracy	± 0.2 C for range 25 C~45 C

Others

Power supply	100~240Vac, 50/60Hz
Built-in battery	11.1V/4400mAh Li-ion battery

Configurations

- Option1: SpO₂, PR, NIBP monitoring
- Option2: SpO₂, PR, NIBP and TEMP monitoring
- Option3: SpO₂, PR, NIBP and TEMP and ECG monitoring

Options

Nellcor SpO₂, Infrared Ear temp probe, Printer, Clamp, Trolley