











Information for this guide based on data submitted by product manufacturers. Sleep Review strives for accuracy in all data but cannot be held responsible for claims made by manufacturers.

Company	Covidien Nellcor		Maxtec Inc		Responsive Respiratory
Product Name	 Nellcor OxiMax N-65 Handheld Pulse Oximeter	 Nellcor OxiMax N-600x Pulse Oximeter with Alarm	 Pulsox300i	 Pulsox-300	 View O2 Fingertip Pulse Oximeter
Website	www.nellcor.com	www.nellcor.com	www.maxtecinc.com	www.maxtecinc.com	www.respondo2.com
Price/Warranty	See Covidien sales rep or call (800) 635-5267	See Covidien sales rep or call (800) 635-5267	12 months	12 months	2 year
Type	handheld	bedside	wrist-worn	wrist-worn	fingertip
Dimensions (H" x L" x W")	2.8 x 6.2 x 1.4	3.3H x 10.4W x 6.8D	2.68 x 2.28 x 0.59	2.68 x 2.28 x 0.59	1.34 x 2.25 x 1.25
Patient Range	neonate, pediatric, adult	neonate to adult	pediatric to adult	pediatric to adult	pediatric, adult
Weight in Ounces	10.4	91.2	2	2	2
Power Options	6 V from 4 AA-size batteries	100-120 VAC, 200-240 VAC, 50/60 Hz, 20 VA; battery	1 AAA battery	1 AAA battery	2 AAA batteries (included)
Battery Life (hours)	Alkaline – 19; Lithium – 40	7	30	16 continuous usage	3,000 spot checks or 30 hrs continuous operation
Display Parameters	SpO ₂ , pulse rate, vertical bar graph	SpO ₂ , pulse rate	SpO ₂ , PR, dual wavelength oximeter	SpO ₂ , PR	oxygen saturation level, PR, SpO ₂ , plethysmogram
O₂ Saturation Display Range (% SpO₂)	0-100	1-100	0-100	0-100	70-99
Pulse Rate Display Range (BPM)	20-250	20-250	30-230	30-230	30-235
Low Perfusion Technology	X	X			
Motion/Artifact Rejection					
Data Accessible from Memory	X	X	X		
Reusable Sensors	X	X	X	X	
Disposable Sensors	X	X	X	X	
Audible Alarm	X	X			
Visual Alarm	X	X	X	X	X
Features	The N-65 offers accurate, reliable performance in monitoring conditions of low perfusion and signal interference. It is compatible with the complete line of OxiMax sensors.	Alarm Management System quickly identifies harmful desaturation patterns vs minor transient events; LoSat expanded accuracy feature; SatSeconds alarm management function; OxiMax SPD Alert.	One second sampling rate; high resolution; 300 hours of memory; interacts with PROFOX reporting software; new Soft Tip probe available.	4,000 spot checks on 1 AAA battery; pulse oxygen monitor; great for stress tests and patient-to-patient testing for spot checks.	Features a large, full color, high-definition rotating screen to ensure accurate readings and to remove the "arm twisting" when viewing the readout; 10 brightness settings and 6 display modes for user convenience.

Company	SDI Diagnostics Inc		Sensoronics Inc		Smiths Medical North America – Patient Monitoring
Product Name	 AstraPulse FT Pulse Oximeter	 AstraPulse FTP Pulse Oximeter	 SPO-300	 SPO-500	 SPECTRO-I 30 Digital Pulse Oximeter
Website	www.sdiagnostics.com	www.sdiagnostics.com	www.sensoronics.com	www.sensoronics.com	www.smiths-medical.com
Price/Warranty	\$143.90 List/3 year	\$143.90 List/3 year	\$270/1 year	\$270/1 year	\$795/3 year
Type	fingertip	fingertip	handheld	wrist style	handheld
Dimensions (H" x L" x W")	2.3 x 1.2 x 1.3	2 x 1.1 x 1.1	4.5 x 2.5 x 1	2 x 2 x 0.5	6.1H x 1.7D x 3.3W
Patient Range	pediatric, adult	pediatric, adult	pediatric, adult	pediatric, adult	neonate, pediatric, adult
Weight in Ounces	1.76	1.76	< 6 with AA batteries	< 3	11.9 (including batteries)
Power Options	2 AAA alkaline or rechargeable NiMH batteries	2 AAA alkaline or rechargeable NiMH batteries	2 AA batteries	lithium battery	4 AA batteries, AC power, custom 2-cell lithium ion battery pack, USB cable
Battery Life (hours)	30	24	24+	24+ continuous	Alkaline batteries: approx 17 hours Rechargeable batteries: approx 30 hours
Display Parameters	SpO ₂ , PR, SpO ₂ waveform (pleth or line), signal strength bar graph	SpO ₂ , PR, SpO ₂ waveform (pleth or line), signal strength bar graph	SpO ₂ , PR, bar graph, waveform	SpO ₂ , PR, bar graph, waveform	SpO ₂ , pulse signal strength, pulse rate, pulse amplitude index
O₂ Saturation Display Range (% SpO₂)	35-99	70-100	70-100	70-100	0-100
Pulse Rate Display Range (BPM)	30-240	30-235	30-250	30-250	20-300
Low Perfusion Technology	X	X			X
Motion/Artifact Rejection	X	X	X	X	X
Data Accessible from Memory			X	X	X
Reusable Sensors			X	X	X
Disposable Sensors					X
Audible Alarm			X	X	X
Visual Alarm	X		X	X	X
Features	Two color OLED screen with 6 bright character displays; 10 display brightness levels; and lace lanyard for easy portability.	Designed specifically for pediatrics; TruColor OLED screen with 6 display choices; 10 display brightness levels; lace lanyard included for easy portability.	Small compact unit ideal for spot-checking and continuous monitoring. Data can sync with PC-based (WinXP and WinVista), recorded up to 24 hours.	Designed to fit comfortably on the patient's wrist for monitoring daily activities and overnight sleep studies. Ideal for spot-checking, short- and long-term monitoring.	Multiple operating modes including sleep screening; low perfusion; motion tolerance; visual, audible, and remote alarms; PI indicator; on-board sensor storage; large bright LED display; accessories.