

S.No.	Equipment	Specifications																																				
1	Polysomnograph & related equipment	<ul style="list-style-type: none"><li>• Diagnose sleep apnea breathing disorder</li><li>• Detailed heart rate variability analysis</li><li>• Record periodic limb movement disorder for restless legs syndrome</li><li>• Identify Narcolepsy and sudden attacks of sleep</li><li>• Rapid Eye Movement sleep Behaviors track</li><li>• Detect unusual behaviors during sleep</li><li>• Unexplained chronic insomnia screening</li><li>• Upto 24/32 Channels of Acquisition</li><li>• Light Weight and Compact amplifier with High quality of Electrodes</li><li>• Unlimited continuous recording</li><li>• Nonin SpO2 supported</li><li>• Facility to mark pages for printing in review</li><li>• Inbuilt 24 channel dedicated EEG with brain mapping and advance CSA/DSA</li><li>• Synchronized photic flash for EEG</li><li>• CPAP and BiPAP Interfacing for titration</li><li>• Ethernet enabled (Remove Monitoring ) over the LAN</li><li>• Make Autorun CD/DVD which can be played on any system with the software setup</li><li>• Unlimited continuous Synchronized full HD video with IR for PSG recording</li><li>• Warranty = 3 years atleast</li></ul> <p><b>Technical Specification</b></p> <table><tr><td>A/D Conversion</td><td>16 bit ADC</td></tr><tr><td>Sampling Rate</td><td>1024 Hz</td></tr><tr><td>Sensitivity</td><td>1 to 1500 μV/mm &amp; user definable</td></tr><tr><td>Low pass filter</td><td>0.1, 0.3, 0.5, 1, 3, 5, 7 Hz &amp; user definable</td></tr><tr><td>High pass filter</td><td>0.1, 0.3, 0.5, 2, 10, 15,35, 70,99 Hz and user definable</td></tr><tr><td>Notch Filter</td><td>50/60 Hz</td></tr><tr><td>Input Impedance</td><td>&gt; 10 M Ohms</td></tr><tr><td>CMRR</td><td>&gt; 100 db</td></tr><tr><td>Noise level</td><td>&lt; 0.3 μV RMS</td></tr><tr><td>EEG channels</td><td>19</td></tr><tr><td>Polygraphic channels</td><td>6</td></tr><tr><td colspan="2">SLEEP STAGING</td></tr><tr><td>EOG channels</td><td>2</td></tr><tr><td>EMG channels</td><td>2</td></tr><tr><td colspan="2">RESPIRATORY MONITORING</td></tr><tr><td colspan="2">Channels for:</td></tr><tr><td>Pulse</td><td>1</td></tr><tr><td>Pressure airflow sensor (cannula)</td><td>1</td></tr></table>	A/D Conversion	16 bit ADC	Sampling Rate	1024 Hz	Sensitivity	1 to 1500 μV/mm & user definable	Low pass filter	0.1, 0.3, 0.5, 1, 3, 5, 7 Hz & user definable	High pass filter	0.1, 0.3, 0.5, 2, 10, 15,35, 70,99 Hz and user definable	Notch Filter	50/60 Hz	Input Impedance	> 10 M Ohms	CMRR	> 100 db	Noise level	< 0.3 μV RMS	EEG channels	19	Polygraphic channels	6	SLEEP STAGING		EOG channels	2	EMG channels	2	RESPIRATORY MONITORING		Channels for:		Pulse	1	Pressure airflow sensor (cannula)	1
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		<p>Thorax respiratory effort sensor 1</p> <p>Abdominal respiratory effort sensor Snoring sensor Body position sensor 1</p> <p>ECG channel 1</p> <p>SpO2 channel 1(Nonin)</p> <p>Limb movement 1</p> <p>Weighing machine 1</p> <p>Digital sphygmomanometer 1</p> <p>Herpenden skin fold caliper 1</p> <p>Respiratory exerciser (spirometer) for 100 patients OS: Windows 10 Professional 32/64bit or higher, Processor:i3 or higher, RAM:4GB or higher, 500 GB hard disk or higher, CD/DVD Optical Drive, Screen Resolution 1024*768 or higher Wooden trolley for keeping computer and printer (laserjet for printing multicolored waveforms with sufficient A4 sheets and cartdridges for 3 years) alongside 6 ftX 3 ft bed/ diwan ( wooden) with comfortable height Mattress (good quality)+ 5 white cotton bed sheets 2 Pillows (good quality) + 10 white cotton pillow covers 2 comforters/2 Blankets for summers/ winters Sufficient cotton, gel, disposable electrodes etc. for 100 patients</p>	<p>1</p> <p>100</p>
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