

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 (Remote 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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">A/D Conversion</td> <td style="width: 40%;">16 bit ADC</td> <td style="width: 10%;"></td> </tr> <tr> <td>Sampling Rate</td> <td>1024 Hz</td> <td></td> </tr> <tr> <td>Sensitivity</td> <td>1 to 1500 <math>\mu</math>V/mm &amp; user definable</td> <td></td> </tr> <tr> <td>Low pass filter</td> <td>0.1, 0.3, 0.5, 1, 3, 5, 7 Hz &amp; user definable</td> <td></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> <td></td> </tr> <tr> <td>Notch Filter</td> <td>50/60 Hz</td> <td></td> </tr> <tr> <td>Input Impedance</td> <td>&gt; 10 M Ohms</td> <td></td> </tr> <tr> <td>CMRR</td> <td>&gt; 100 db</td> <td></td> </tr> <tr> <td>Noise level</td> <td>&lt; 0.3 <math>\mu</math>V RMS</td> <td></td> </tr> <tr> <td>EEG channels</td> <td></td> <td style="text-align: right;">19</td> </tr> <tr> <td>Polygraphic channels</td> <td></td> <td style="text-align: right;">6</td> </tr> <tr> <td colspan="3"><b>SLEEP STAGING</b></td> </tr> <tr> <td>EOG channels</td> <td>2</td> <td></td> </tr> <tr> <td>EMG channels</td> <td>2</td> <td></td> </tr> <tr> <td colspan="3"><b>RESPIRATORY MONITORING</b></td> </tr> <tr> <td colspan="3">Channels for:</td> </tr> <tr> <td>Pulse</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> </tr> <tr> <td>Pressure airflow sensor (cannula)</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> </tr> </table>	A/D Conversion	16 bit ADC		Sampling Rate	1024 Hz		Sensitivity	1 to 1500 $\mu$ V/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 $\mu$ V RMS		EEG channels		19	Polygraphic channels		6	<b>SLEEP STAGING</b>			EOG channels	2		EMG channels	2		<b>RESPIRATORY MONITORING</b>			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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