

S.No.	Equipment	Specifications																																								
1	Polysomnograph & related equipment	• Diagnose sleep apnea breathing disorder • Detailed heart rate variability analysis • Record periodic limb movement disorder for restless legs syndrome • Identify Narcolepsy and sudden attacks of sleep • Rapid Eye Movement sleep Behaviors track • Detect unusual behaviors during sleep • Unexplained chronic insomnia screening • Upto 24/32 Channels of Acquisition • Light Weight and Compact amplifier with High quality of Electrodes • Unlimited continuous recording • Nonin SpO2 supported • Facility to mark pages for printing in review • Inbuilt 24 channel dedicated EEG with brain mapping and advance CSA/DSA • Synchronized photic flash for EEG • CPAP and BiPAP Interfacing for titration • Ethernet enabled (Remove Monitoring) over the LAN • Make Autorun CD/DVD which can be played on any system with the software setup • Unlimited continuous Synchronized full HD video with IR for PSG recording • Warranty = 3 years atleast Technical Specification <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 & user definable</td></tr><tr><td>Low pass filter</td><td>0.1, 0.3, 0.5, 1, 3, 5, 7 Hz & 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>> 10 M Ohms</td></tr><tr><td>CMRR</td><td>> 100 db</td></tr><tr><td>Noise level</td><td>< 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></td></tr><tr><td>1</td><td></td></tr><tr><td>Pressure airflow sensor (cannula)</td><td></td></tr><tr><td>1</td><td></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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		Thorax respiratory effort sensor 1 Abdominal respiratory effort sensor Snoring sensor Body position sensor 1 ECG channel 1 SpO2 channel 1(Nonin) Limb movement 1 Weighing machine 1 Digital sphygmomanometer 1 Herpenden skin fold caliper 1 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	1 100
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