

S.No.	Equipment	Specifications																																																												
1	Polysomnograph & related equipment	<ul style="list-style-type: none"> • 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 (Remote 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 <p>Technical Specification</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 colspan="2">1 to 1500 μV/mm & user definable</td> </tr> <tr> <td>Low pass filter</td> <td colspan="2">0.1, 0.3, 0.5, 1, 3, 5, 7 Hz & user definable</td> </tr> <tr> <td>High pass filter</td> <td colspan="2">0.1, 0.3, 0.5, 2, 10, 15,35, 70,99 Hz and user definable</td> </tr> <tr> <td>Notch Filter</td> <td colspan="2">50/60 Hz</td> </tr> <tr> <td>Input Impedance</td> <td colspan="2">> 10 M Ohms</td> </tr> <tr> <td>CMRR</td> <td colspan="2">> 100 db</td> </tr> <tr> <td>Noise level</td> <td colspan="2">< 0.3 μV RMS</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">SLEEP STAGING</td> </tr> <tr> <td>EOG channels</td> <td style="text-align: right;">2</td> <td></td> </tr> <tr> <td>EMG channels</td> <td style="text-align: right;">2</td> <td></td> </tr> <tr> <td colspan="3">RESPIRATORY MONITORING</td> </tr> <tr> <td colspan="3">Channels for:</td> </tr> <tr> <td colspan="3">Pulse</td> </tr> <tr> <td colspan="3">1</td> </tr> <tr> <td colspan="3">Pressure airflow sensor (cannula)</td> </tr> <tr> <td colspan="3">1</td> </tr> </table>	A/D Conversion	16 bit ADC		Sampling Rate	1024 Hz		Sensitivity	1 to 1500 μ 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 μ V 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		
A/D Conversion	16 bit ADC																																																													
Sampling Rate	1024 Hz																																																													
Sensitivity	1 to 1500 μ 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 μ V 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																																																														

	<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 100</p> <p>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</p> <p>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>	1
--	---	---