Pioneers in the field of Sleep Study introduce QUEST
RMS offers innovative solutions for the sleep laboratories.

**RMS QUEST 101 Ambulatory 10 Ch**

**Salient Features**
- It is lightweight, small size and portable equipment.
- Online & Offline facility of patient data recording.
- 36 Hours Holter Recording on 2 AA cells.
- Unlimited Continuous recording with PC.
- It can be interfaced with computer via USB.
- Easy to data transfer through Memory Card.
- Automatic interpretation and report generation by well established software.
- Automatic detection of Obstructive, Mixed, Central Apneas & Hypopneas.
- Detailed reporting of Oximeter, Heart Rates, Snoring etc.
- Oximetry Histogram.
- Online Video Recording with PC.
- C-PAP.
- Raw data storage.
- In built Body Position Sensor.
- Continuous video recording with PC.
- Adjustable channel width.
- Event marking with comments.
- User definable Montages.
- On line / Off line reformatting of filters (Hf, Lf) and sensitivity.
- Selectable Epoch for careful data observation.
- Facility to mark pages for printing in review.
- Ultra fast automatic paging facility for efficient analysis.
- Fast extensive search capabilities.
- Screen freeze facility to study event carefully.
- Effective data base management.
- Archiving on any Media.
- High resolution display.
- Compact patient box.
- LED indication for recording.
- LED indication for SPO2.
These machines come loaded with variety of features.

**RMS QUEST 32, 24, 16 Ch (Ambulatory)**

**Salient Features**
- Upto 32 channels of Acquisition.
- Raw data storage.
- Unlimited continuous recording.
- Adjustable channel width.
- Event marking with comments.
- User definable montages.
- On line / Off line reformatting of filters (Hf, Lf) and sensitivity.
- Selectable epoch for careful data observation.
- Facility to mark pages for printing in review.
- Ultra fast automatic paging facility for efficient analysis.
- Fast extensive search capabilities.
- Screen freeze facility to study event carefully.
- Effective data base management.
- Archiving on any media.
- High resolution display.
- Portable system option available.
- Compact patient box.
- Make Autorun CD/DVD which can be played on any system with the software setup.

**Auto Reporting**
- Apneas & Hypopneas:
  - Obstructive
  - Mixed
  - Central
- Bifurcation of OSA, CSA, MSA, HYP in REM & NREM.
- Show Sleep Stages in Analysis.
- Automatic marking of K-Complexes, sleep spindles, REM.
- Spike & Seizure Detection.
- Detailed reporting of Oximeter, Heart rates, Snoring etc.
- Oximetry Histogram.
- Video Recording.
- Show CPAP Pressure Delivered to patient and during analysis.
# RMS QUEST - WORLD CLASS SPECIFICATION

## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>PSG 16, 24, 32 Channels</th>
<th>Ambulatory PSG 10 Channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/D Conversion</td>
<td>16 bit ADC</td>
<td>16 bit ADC</td>
</tr>
<tr>
<td>Sampling Rate</td>
<td>1024 Hz</td>
<td>256 Hz</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>1 to 1500 μV/mm &amp; user definable.</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>
<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 &amp; user definable</td>
<td>0.1, 0.3, 0.5, 2, 10, 15, 35, 70, 99 Hz &amp; user definable</td>
</tr>
<tr>
<td>Notch Filter</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Input Impedence</td>
<td>&gt; 10 M Ohms</td>
<td>&gt; 10 M Ohms</td>
</tr>
<tr>
<td>CMRR</td>
<td>&gt; 100 db</td>
<td>&gt; 100 db</td>
</tr>
<tr>
<td>Noise level</td>
<td>&lt; 0.3 μV RMS</td>
<td>&lt; 0.3 μV RMS</td>
</tr>
</tbody>
</table>

*Please refer to our formal offer for exact computer configuration.*

## PARAMETERS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Ambulatory 10</th>
<th>PSG 16</th>
<th>PSG 24</th>
<th>PSG 32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oximeter</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>SaO2</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Tachogram</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Plethysmograph</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Nasal Airflow</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Chest Respiration</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Abdominal Effort</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Snoring</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Ambulatory 10</th>
<th>PSG 16</th>
<th>PSG 24</th>
<th>PSG 32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body Position</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ECG</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Pulse</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>EMG</td>
<td>✓</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Limb Movement</td>
<td>✓</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>EOG</td>
<td>✓</td>
<td>2</td>
<td>2</td>
<td>2+0</td>
</tr>
<tr>
<td>EEG</td>
<td>✓</td>
<td>3</td>
<td>8</td>
<td>19+2</td>
</tr>
</tbody>
</table>

Optional add on: C-PAP, Bi-PAP, VIDEO

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Since R&D is a continuous process, features & specifications subject to change without notice.

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