Alice 5 Diagnostic Sleep System

The Alice 5 Diagnostic Sleep System sets new standards for sleep labs eager to customize powerful features today but interested in flexible architecture to accommodate tomorrow's growth. Alice 5 features: fully integrated sleep laboratory system over a network cable; expanded channel capability to 55 total channels; high quality ECG with 6 channels and pulse transit time, and real time impedance display.

Features

- Fully integrated sleep laboratory system over a network cable or wireless
- Expanded channel capability to 55 total channels
- High quality ECG with 6 channels and pulse transit time (PTT)
- Real time impedance display
- Patient Communication/Intercom is accomplished over your network cable

<table>
<thead>
<tr>
<th><strong>Total Channels:</strong></th>
<th>55</th>
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</thead>
<tbody>
<tr>
<td><strong>Analog Inputs:</strong></td>
<td>12 total, 10 in the Base Station, 2 in the Headbox</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td><strong>Neurological Channels</strong></td>
<td></td>
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<tr>
<td>Number of Channels:</td>
<td>26 (10 left, 9 right, 2 EOG, 5 EMG) 2 reference</td>
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<tr>
<td>Input Impedance:</td>
<td>1.66 Mohm per Electrode 3.33 differential</td>
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<tr>
<td>Bandwidth:</td>
<td>0.32 Hz to 106 Hz</td>
</tr>
<tr>
<td>Input Signal Range:</td>
<td>±3.3mV</td>
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<tr>
<td>Digital Resolution:</td>
<td>16 bits</td>
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<tr>
<td>Sample Rate:</td>
<td>2000 Hz</td>
</tr>
<tr>
<td>Max Storage Rate:</td>
<td>200 Hz</td>
</tr>
<tr>
<td>Electrode Impedance Testing:</td>
<td>100 Hz square wave between patient</td>
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<tr>
<td>Calibration Signal:</td>
<td>Signal injection, 1 Hz, 98 mVpp Square wave to amplifier inputs</td>
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<tr>
<td>Communication</td>
<td>Signals sent from Patient Interface to Headbox through sensor</td>
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</table>
**Interfaces:**

- Data is sampled and sent to the Base Station where it is stored on a disk or sent through an ethernet connection to a Host PC

**Digital Filters available during analysis:**

- 0.5 to 100 Hz high pass filter
- 0.5 to 100 Hz low pass filter
- 50 or 60 Hz Notch filter
- Anti-aliasing filter

**Other Channel Types 2 Effort:**

- 2 Airflow: Thermal and Pressure Flow
- 1 Body Position
- 2 Actigraphy
- 6 ECG (2 measured and 4 derived)
- 1 Snore Mic

### Part Numbers & Accessories

<table>
<thead>
<tr>
<th>Item</th>
<th>Part #</th>
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<tbody>
<tr>
<td>Alice 5 System / Domestic</td>
<td>1017226</td>
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<tr>
<td>Includes: Base Station, Headbox, Speakers, Patient Cable, Microphone Kit, Mouse Pad, Power Supply, AC Power Cord, Head Box Wall Mounting Kit, Headbox Carrying Pouch, Headbox Shoulder Strap, Alice 5 Setup &amp; User’s Guide</td>
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<tr>
<td>Alice 5 Main System</td>
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<td>Includes: Base Station, Headbox, Speakers, Patient Cable, Microphone Kit, Mouse Pad, Power Supply, AC Power Cord (Distributor to provide appropriate cord), Head Box Wall Mounting Kit, Headbox Carrying Pouch, Headbox Shoulder Strap, Alice 5 Setup &amp; User’s Guide</td>
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<tr>
<td>Headbox Domestic</td>
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<td>Headbox International</td>
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<td>Wall Mounting Kit</td>
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<td>Includes: Mounting Bracket, 2 Screws, 2 Anchors</td>
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<td>Carrying Pouch</td>
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<tr>
<td>Shoulder Strap</td>
<td>1016343</td>
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<tr>
<td>Sleepware (Software)</td>
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<tr>
<td>20” LCD Flat Panel Monitor</td>
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<td>PC with CDRW/DVD</td>
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<td>Laptop Computer with DVD-RW</td>
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<td>Toshiba Tablet PC</td>
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<tr>
<td>Speakers for Base Station</td>
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<td>Includes: 2 Speakers, Power Cord</td>
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<td>CPU/Laptop Microphone</td>
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<td>Tablet PC Docking Station</td>
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<td>PCMCIA Wireless Card, 802.11B</td>
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<tr>
<td>Network Router</td>
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<td>(Wireless Access Point)</td>
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<td>Laser Printer</td>
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<td>16 Port Network Switch</td>
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<tr>
<td>Wireless Powered Antenna/ Range Extender</td>
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<tr>
<td>Video Web Camera/Infrared</td>
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<td>Analog Bullet Camera with Integrated Infrared Illumination (Includes Power Supply)</td>
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<tr>
<td>Video Camera with Pan/Tilt/Zoom</td>
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<td>Item Description</td>
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<tr>
<td>Infrared Illuminator Projector</td>
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<td>4 Port Video Web Server</td>
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<td>Analog Video Cable (50')</td>
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<td>Connecting Cable CAT-5 Patch (50')</td>
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<td>Connecting Cable CAT-5 Patch (100')</td>
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<td>Connecting Cable CAT-5 Cross-over (50')</td>
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<td>Connecting Cable CAT-5 Cross-over (100')</td>
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<td>Patient Cable (Connects Base Station to Headbox)</td>
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<td>Sub-mini Adapter for Auxiliary Input Cable</td>
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<td>Encore Shielded Communications Cable (6')</td>
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<td>Connecting Cable Auxiliary Input (10')</td>
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<td>Signal Splitter</td>
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<td>Output Analog Cable (3 Output)</td>
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<td>Output Analog Cable (6 Output)</td>
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<td>Auxiliary Input Attenuator, Calvin</td>
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<td>Analog Attenuator Cable</td>
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<td>Air Flow Thermistor, Adult</td>
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<tr>
<td>Air Flow Thermistor, Pediatric</td>
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<tr>
<td>Air Flow Sensor, Neonatal (Dual Bead)</td>
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<td>Single Element Oral Thermistor (Dual Bead)</td>
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<td>PTAF Lite</td>
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<tr>
<td>Nasal Cannula, Adult</td>
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<td>Nasal Cannula, Pediatric</td>
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<td>Nasal Cannula, Pediatric</td>
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<td>Actimeter</td>
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<td>Body Position Sensor</td>
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<td>Adult Repositionable ECG Electrodes, 3M™ Red Dot™</td>
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<td>Infant Soft Cloth ECG Electrodes, 3M™ Red Dot™</td>
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<td>ECG Lead Set 4 Wire, 72” Domestic</td>
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<td>EEG Electrode Prep</td>
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<td>Piezo Respiratory Effort Sensor with Belt (Adult)</td>
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<td>Piezo Respiratory Effort Sensor with Belt (Pediatric)</td>
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<td>Reusable Oximeter Sensor, Finger Clip</td>
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<td>Multi-Site Oximeter Probe, Masimo</td>
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<td>100 pack Clean Shield Wrap</td>
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<td>8' Patient Cable</td>
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<td>Snore Sensor</td>
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<td>Intercom Microphone</td>
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<td>Includes: Microphone, 20' Cable</td>
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<td>Hard Shell Carrying Case</td>
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<td>Includes: Sensor Case</td>
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<tr>
<td>Sensor Case</td>
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<td>Sensors not included</td>
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<td>Capnogard</td>
<td>5555-00</td>
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<td>RepHlux Tracer Acid Reflex Monitor</td>
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<td>VersaFlex Disposable pH Probe (single channel)</td>
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<td>VersaFlex Disposable pH Probe (dual channel)</td>
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<td>Calibration Kit,</td>
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<td>Antenna Kit</td>
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<td>Mouse Pad</td>
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<td>Computer Workstation, 36&quot;</td>
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<td>Uninterrupted Power Supply (UPS)</td>
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<tr>
<td>Power Cord, US Domestic</td>
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