Features

**Sound Imaging**
- **S Series iQ 11**
  - Optimal high-resolution sound imaging with frequency shaping in all 16 channels and 16 bands
- **S Series iQ 9**
  - High-resolution sound imaging with frequency shaping in 12 channels and 12 bands
- **S Series iQ 7**
  - Frequency shaping in 8 channels and 8 bands

**Voice iQ**
- So fast and smart it reduces noise between syllables of speech
- Two-part algorithm uses dynamic voice identification, coupled with a spectral noise control that calculates appropriate gain on a per channel basis
- Reduces listening effort and mental fatigue
- Active at positive signal-to-noise ratios
- Provides unprecedented sound quality, ease of listening, and intelligibility of speech in noise

**Acoustic Scene Analyzer**
- **S Series iQ 11**
  - Premium 16-channel environmental adaptation with 5 levels of personalization
  - AudioScapes include: Machine Noise, Speech in Noise, Wind and Quiet
- **S Series iQ 9**
  - Advanced 12-channel environmental adaptation with 3 levels of personalization
  - AudioScapes include: Machine Noise, Speech in Noise, Wind and Quiet
- **S Series iQ 7**
  - Select 8-channel environmental adaptation with 2 levels of personalization
  - AudioScapes include: Machine Noise, Wind and Quiet

**PureWave Feedback Eliminator**
- Provides best-in-class feedback cancellation
- When fit open, S Series iQ has the widest fitting range and usable high-frequency bandwidth of any open fit instrument in its class

**InVision Directionality**
- Automatically adapts to ensure optimal performance in all listening situations
- S Series iQ boasts the highest mean DI scores and the lowest operational noise floor, helping patients significantly increase their understanding in noise

**Starkey On Demand**
Starkey’s leading On Demand options bring the benefits of telehealth to your practice. Designed to elevate your interaction with patients, each one provides an entirely new way for you to provide and deliver care.
- **T2 On Demand**
  - Allows you to make common, standard adjustments to patients’ hearing aids over the phone
- **Audiology On Demand™**
  - Provides on-call access to an audiologist who can remotely operate your fitting computer, offer suggestions and guidance, and ensure a successful fitting
- **T2 Remote**
  - Adjustment for volume and memory via any cell or touch-tone telephone

**Live Real Ear Measurement**
Provides accurate measures of real-ear output in your patient’s ear, in real-ear SPL, while the system evaluates the hearing aid response and matches to your selected target—providing you with the most precise fitting information available

**Live 3D Speech Mapping**
Available on S Series iQ 11
- Allows hearing professional to verify how the hearing aid processes speech, or any live acoustic input, in real time
- 3D display engages patient and family in fitting process

**Live Speech Mapping**
Verifies hearing aid's processing of speech, or any live acoustic input, in real time

**Self Check**
Available on S Series iQ 11
- Allows hearing professional and patient to perform a diagnostic check of the microphone, circuit and receiver

**Reminder**
Available on S Series iQ 11
- Offers hearing professionals the option of programming audible voice or tone reminders for follow-up appointments and maintenance checks

**Leisure Listening Memories**
TV memory program designed for optimal performance while watching television
Available on S Series iQ 11
- Multiple music genre settings designed to maximize sound quality and listening enjoyment

**Automatic Telephone Solutions**
Automatically detects telephone use and adjusts to the optimal acoustic frequency response for telephone listening

**Voice Indicators**
Available on S Series iQ 11
- Alerts patients to the status of their hearing aid, low battery, memory and telephone modes in their choice of male or female voices in a wide variety of languages

**Tonal Indicators**
Unique tones for memory, low battery, etc.

**Auto Path**
- Automatic fitting routine
- Provides an accurate and efficient first fit

**Verify Comfort**

**In-Situ Audiometry**

**Data Logging**
## Measurement Conditions and Recommendations

The data for S Series iQ are obtained and performance is expressed according to ANSI S3.22 (2003), IEC 60118-7 (2005) and IEC 60118-0 (1983) with Amendment 1 (1994-01). The Starkey proprietary Real Time Analyzer as well as the Starkey Automated Design Verification Test System (SADVTS) comprise the basic test equipment. Data may be subject to change with product refinement.

Because of the adaptive signal processing capabilities of S Series iQ hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. S Series iQ hearing instruments may be set to test mode with Inspire® by reading the hearing aid and selecting the “Hearing Aid Test” screen from the menu on the left side of the Inspire window, then selecting the “Full On Gain” button.

### Table: Measurement Conditions and Recommendations

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<thead>
<tr>
<th>Measurement</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
<th>ANSI/IEC 2cc Coupler</th>
<th>IEC OES Coupler</th>
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</thead>
<tbody>
<tr>
<td>Peak OSPL90 (dB SPL)</td>
<td>115-131</td>
<td>124-139</td>
<td>110-131</td>
<td>119-139</td>
<td>110-131</td>
<td>119-139</td>
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<tr>
<td>HFA OSPL90 (dB SPL)</td>
<td>111-126</td>
<td>NA</td>
<td>106-126</td>
<td>NA</td>
<td>106-126</td>
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<tr>
<td>RTF OSPL90 (dB SPL)</td>
<td>NA</td>
<td>118-138</td>
<td>NA</td>
<td>114-138</td>
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<td>114-138</td>
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<tr>
<td>Peak Gain (dB)</td>
<td>45-71</td>
<td>54-79</td>
<td>40-71</td>
<td>50-79</td>
<td>35-71</td>
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<tr>
<td>HFA Full-On Gain (dB)</td>
<td>41-65</td>
<td>NA</td>
<td>36-65</td>
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<tr>
<td>RTF Full-On Gain (dB)</td>
<td>NA</td>
<td>47-79</td>
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<td>43-78</td>
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<td>Frequency Range (Hz)</td>
<td>100 - 7000</td>
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<td>100 - 7000</td>
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<td>Reference Test Frequency (kHz)</td>
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<tr>
<td>HFA Frequencies (kHz)</td>
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<td>1.0, 1.6, 2.5</td>
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<tr>
<td>Reference Test Gain (dB)</td>
<td>34-49</td>
<td>40-64</td>
<td>29-49</td>
<td>36-63</td>
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<td>36-63</td>
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<tr>
<td>Harmonic Distortion</td>
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<td>Equivalent Input Noise (dB SPL)</td>
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<td>Attack and Release Time (ANSI/IEC) – Test Mode</td>
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<td>Attack Time (ms)</td>
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<td>Release Time 0.1s (ms)</td>
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<td>Release Time 2.0s (ms)</td>
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<td>Induction Coil Sensitivity</td>
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<tr>
<td>HFA SPLITS (ANSI) (dB SPL)</td>
<td>94-109</td>
<td>NA</td>
<td>89-109</td>
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<tr>
<td>MASL (IEC) (dB SPL)</td>
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<td>77-109</td>
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<td>73-108</td>
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<tr>
<td>ANSI/IEC Battery Current (mA)</td>
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<td>1.1-1.7</td>
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<tr>
<td>Idle Current (mA)</td>
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<td>1.0-1.3</td>
<td>1.0-1.3</td>
<td>1.0-1.3</td>
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<tr>
<td>Estimated Battery Life</td>
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<td>13 Zinc Air (Hours)</td>
<td>13-17</td>
<td>13-17</td>
<td>13-17</td>
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<td>312 Zinc Air (Hours)</td>
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<tr>
<td>10 Zinc Air (Hours)</td>
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<td>5-7</td>
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