**Features:**

- SOLAIR 3350: 0.3-25.0μm, 0.3μm @ 100 LPM
- SOLAIR 5350: 0.5-25.0μm, 0.5μm @ 100 LPM
- Samples 1 Cubic Meter in 10 Minutes @ 100 LPM
- Simultaneous Display of up to 8 Particle Sizes
- 21 CFR Part 11 Compliant Secure Data Transfer via USB Flash Drive
- Extreme Life Laser Diode Technology
  >20 Years MTTF Laser Lifespan
- Thermal Printer
- Stainless Steel Construction
- Designed for ISO 21501-4 Compliance:
  Unit-to-Unit Accuracy & Repeatability Assured
- Multiple Communication Interfaces - USB, RS-485, Ethernet and USB Flash Drive
- 5.7-inch Color Touch Screen
- 3000-record Data Storage Memory
- User-Definable Printouts
- Open Architecture Connectivity with OPC Server
- Report Wizard for Cleanroom Pass/Fail Reports:
  FS-209E, ISO-14644-1 or EU GMP Annex 1

**Benefits:**

- Reduced Sample Time of 1 Cubic Meter in 10 minutes
- User Friendly Interface with Multiple Languages
- International Support
- 2 year Warranty
- Easy Integration to External Systems with OPC Server

**Applications:**

- Cleanroom Monitoring
- Facility Certification Testing
- Trend Analysis
- Tool and Equipment Testing
- Compressed Gas Monitoring
  (with High Pressure Controller)
### Specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>3350</th>
<th>5350</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size Range:</strong></td>
<td>0.3 - 25.0μm</td>
<td>0.5 - 25.0μm</td>
</tr>
<tr>
<td><strong>Standard Channel Sizes:</strong></td>
<td>0.3, 0.5, 1.0, 3.0, 5.0, 10.0μm</td>
<td>0.5, 0.7, 1.0, 3.0, 5.0, 10.0μm</td>
</tr>
<tr>
<td><strong>Optional Channel Sizes:</strong></td>
<td>0.3, 0.5, 1.0, 5.0, 10.0, 25.0μm</td>
<td>0.5, 1.0, 3.0, 5.0, 10.0, 25.0μm</td>
</tr>
<tr>
<td><strong>Flow Rate:</strong></td>
<td>100.0 LPM (3.53 CFM)</td>
<td></td>
</tr>
<tr>
<td><strong>Counting Efficiency:</strong></td>
<td>3350, 50% @ 0.3μm; 100% @ sizes &gt; 0.45μm; 5350, 50% @ 0.5μm; 100% @ sizes &gt; 0.75μm Per JIS B 9921 and ISO 21501-4</td>
<td></td>
</tr>
<tr>
<td><strong>Light Source:</strong></td>
<td>Extreme Life Laser Diode Technology with &gt;20 years Mean Time To Failure (MTTF)</td>
<td></td>
</tr>
<tr>
<td><strong>Zero Count Level:</strong></td>
<td>&lt;1 count / 5 minutes (per JIS B 9921)</td>
<td></td>
</tr>
<tr>
<td><strong>Concentration Limits:</strong></td>
<td>400,000 Particles/ft³ (14,120,000/M³) @10% Coincidence Loss, Suitable for ISO classes 1 through 8 Cleanrooms</td>
<td></td>
</tr>
<tr>
<td><strong>Calibration:</strong></td>
<td>Meets ISO 21501-4 Calibration Standard</td>
<td></td>
</tr>
<tr>
<td><strong>Count Modes:</strong></td>
<td>Automatic, Manual, Beep, Concentration, Cumulative/Differential and Real Time (with LMSNet or LMS Express RT)</td>
<td></td>
</tr>
<tr>
<td><strong>Data Storage:</strong></td>
<td>3,000 Sample Records (Rotating Buffer), which includes particle and environmental data with locations and times</td>
<td></td>
</tr>
<tr>
<td><strong>Communication Modes:</strong></td>
<td>USB; Ethernet; RS-485; Secure Data Transfer to and Storage on USB Flash Drive</td>
<td></td>
</tr>
<tr>
<td><strong>Supporting Software:</strong></td>
<td>LMS XChange, LMS Express and Express RT; LMS Standard; LMS Pharma; CREWin</td>
<td></td>
</tr>
<tr>
<td><strong>Environmental Sensors:</strong></td>
<td>Optional (up to 4): Temperature/Relative Humidity, Air Velocity, Differential Pressure or others</td>
<td></td>
</tr>
<tr>
<td><strong>Touch Screen Display:</strong></td>
<td>5.7-inch (14.5 cm) Color, 320x240</td>
<td></td>
</tr>
<tr>
<td><strong>Location Labels:</strong></td>
<td>Up to 400, based on Location Label Length</td>
<td></td>
</tr>
<tr>
<td><strong>Printer:</strong></td>
<td>Built-in Thermal Printer (non-printer model available)</td>
<td></td>
</tr>
<tr>
<td><strong>Reports:</strong></td>
<td>Pass/Fail Report Wizard for ISO-14644-1, EU GMP Annex 1 and FS-209 Report Formats</td>
<td></td>
</tr>
<tr>
<td><strong>Alarm:</strong></td>
<td>Integrated Alarm Buzzer and External Alarm Connector. Alarms on Counts, Low Battery, Sensor Failure</td>
<td></td>
</tr>
<tr>
<td><strong>Enclosure:</strong></td>
<td>Stainless Steel</td>
<td></td>
</tr>
<tr>
<td><strong>Sample Output:</strong></td>
<td>Internally Filtered to HEPA Standards (&gt;99.97% @ 0.3μm)</td>
<td></td>
</tr>
<tr>
<td><strong>Vacuum Source:</strong></td>
<td>Internal Closed-loop Controlled Pump: allows the use of 3/8” ID Sample Tubing of up to 12 Meters (40 feet) @ 100 LPM</td>
<td></td>
</tr>
<tr>
<td><strong>Power:</strong></td>
<td>100-250 VAC, 47-63 Hz</td>
<td></td>
</tr>
<tr>
<td><strong>Battery:</strong></td>
<td>Li-Ion, Removable &amp; Rechargeable; Typical Battery Operation ~4 hours*; Typical Recharge Time ~4 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions:</strong></td>
<td>14.65” (l) x 8” (w) x 10.4” (h) [37 x 20 x 26 cm]</td>
<td></td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>With Battery: 26 lbs (11.8 kg) Without Battery: 23 lbs (10.43 kg)</td>
<td></td>
</tr>
<tr>
<td><strong>Languages:</strong></td>
<td>English, Français, Deutsch, Italiano, Español</td>
<td></td>
</tr>
</tbody>
</table>

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### Environmental Conditions:

- **Operating:** 50°F to 104°F (10°C to 40°C) / 20% to 95% non-condensing
- **Storage:** 14°F to 122°F (-10°C to 50°C) / Up to 98% non-condensing

### Accessories:

**Included:**
- Operating Manual on CD
- Isokinetic Sample Probe with Tripod and Tubing
- Purge Filter
- Power Cable and Spare Fuse
- LMS XChange Software
- Printer
- Printer Paper

**Optional:**
- Wireless Network Adapter
- Removable Rechargeable Li-Ion Battery
- Carrying Case with Wheels
- Temperature/Relative Humidity Probe
- Differential Pressure Probe
- Intelligent Filter Scanning Probe
- Air Velocity Probe
- Spare Removable Rechargeable Li-Ion Battery
- External Battery Charger
- LMS Express, RT Software
- LMS Pharma Edition Software
- LMS Standard Software
- Validation Documentation
- Printed Operating Manual
- Cleanroom Cart

**Manufactured by:**
- Lighthouse Worldwide Solutions

**Distributed by:**
- Lighthouse Worldwide Solutions

**CE Mark:**
- Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

**LWS PN 545401667-1 Rev 3**