The SOLAIR 3200+ and SOLAIR 5200+ portable counters offer a sensitivity of 0.3 micron and 0.5 micron, respectively, at a flow rate of 2.0 CFM (56.6 LPM) or 50 LPM and a wide dynamic range of up to 25.0 microns.

Utilizing a 5.7-inch color (14.5 cm) touch screen interface, the SOLAIR 3200+ and SOLAIR 5200+ are easy to configure and operate. They can store 3,000 records of particle count data from up to 8 channels and environmental data from up to four analog sensors (4-20 mA). All data can be quickly and reliably transferred to a computer or printed on its built-in thermal printer.

Demonstrating their versatility, the SOLAIR 3200+ and SOLAIR 5200+ can be used as portable instruments or integrated into a facility monitoring system.

Designed and built by Lighthouse - a name you can trust.

Lighthouse is an ISO 9001:2000 Registered company.

www.golighthouse.com
## Specifications:

<table>
<thead>
<tr>
<th></th>
<th>3200+</th>
<th>5200+</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>6-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></td>
<td>0.3, 0.5, 1.0, 10.0, 25.0μm</td>
<td>0.5, 1.0, 3.0, 5.0, 25.0μm</td>
</tr>
<tr>
<td><strong>8-Channel Sizes:</strong></td>
<td>0.3, 0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0μm</td>
<td>0.5, 0.7, 1.0, 2.0, 3.0, 5.0, 7.0, 10.0μm</td>
</tr>
<tr>
<td></td>
<td>0.3, 0.5, 0.7, 1.0, 5.0, 7.0, 10.0, 25.0μm</td>
<td>0.5, 1.0, 2.0, 3.0, 5.0, 7.0, 10.0, 25.0μm</td>
</tr>
<tr>
<td><strong>Counting Efficiency:</strong></td>
<td>50% @ 0.3μm; 100% for particles &gt; 0.45μm (per JIS)</td>
<td>50% @ 0.5μm; 100% for particles &gt; 0.75μm (per JIS)</td>
</tr>
</tbody>
</table>

- **Flow Rate:** 2.0 CFM or 50 LPM
- **Laser Source:** Laser Diode
- **Zero Count Level:** <1 count / 5 minutes (per JIS)
- **Concentration Limits:** 250,000 Particles/ft³ @5% Coincidence Loss
- **Calibration:** NIST Traceable
- **Count Modes:** Automatic, Manual, Beep, Concentration, Cumulative/Differential and Real Time (with LMSNet or LMS Express RT/RT+)
- **Data Storage:** 3,000 Sample Records (Rotating Buffer) which includes particle and environmental data with locations and times
- **Communication Modes:** RS-232 via RJ-45 to PC, RS-485/MODBUS
- **Supporting Software:** LMS XChange, LMS Express, LMS Express RT and LMS Express RT+, LMSNet
- **Environmental Sensors:** Optional (up to 4): Temperature/Relative Humidity, Air Velocity, Differential Pressure, or others
- **Touch Screen Display:** 5.7-inch (14.5 cm) Color, 320x240
- **Printer:** Built-in Thermal Printer
- **Reports:** FS-209E, ISO-14644-1, BS-5295 & EU GMP
- **Alarm:** Integrated, Adjustable Alarm Buzzer, External Alarm Connector. Alarms on Counts, Low Battery, Sensor Failure
- **Enclosure:** Stainless Steel
- **Sample Output:** Internally Filtered to HEPA Standards (>99.997% @ 0.3μm)
- **Vacuum Source:** Internal Pump, Automatic Flow Control
- **Power:** 85-264 VAC, 47-63 Hz
- **Battery:** Li-Ion, Removable & Rechargeable
- **Dimensions:** 14.65" (l) x 8" (w) x 10.4" (h) [37 x 20 x 26 cm]
- **Weight:** With Battery: 26 lbs (11.8 kg) Without Battery: 23 lbs (10.43 kg)

### 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; Removable Rechargeable Li-Ion Battery; Power Cable and Spare Fuse; LMS XChange Software; Printer; Printer Paper
- **Optional:** Printed Operating Manual; Network Adapter; Wireless Network Adapter; Carrying Case with Wheels; Cleanroom Cart; Temperature/Relative Humidity Probe; Air Velocity Probe; Differential Pressure Probe; Filter Scanning Probe; Spare Removable Rechargeable Li-Ion Battery; External Battery Charger; LMS Express, RT, RT+ Software; LMSNet Software; Validation Documentation

## Manufactured by:

Lighthouse Worldwide Solutions

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510 438 0500 (Outside of USA)

## Distributed by:

CE

Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

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