



LIGHTHOUSE

WORLDWIDE SOLUTIONS



SOLAIR 3200Rx SOLAIR 5200Rx

Airborne Particle Counters

Designed with the latest in laser optical particle counting technology, the **SOLAIR 3200Rx** and **SOLAIR 5200Rx** portable airborne particle counters offer sensitivities of 0.3 and 0.5 microns, respectively, at a flow rate of 2.0 CFM (56.6 LPM) or 50 LPM. Housed in a sleek 316L stainless steel enclosure, the **SOLAIR 3200Rx** and **SOLAIR 5200Rx** are ideal for use in facilities that require instrument wipe-down.

The built-in 5.7-inch (14.47 cm) color touch screen makes the **SOLAIR 3200Rx** and **SOLAIR 5200Rx** easy to configure and operate. The instruments can store up to 3,000 records of particle count data from up to 6 channels. All data can be quickly and reliably transferred to a computer or printed on the optional built-in thermal printer.

Both models provide three modes of communication - Ethernet, RS-485 or USB, making communications with these instruments very flexible. Demonstrating their versatility, the **SOLAIR 3200Rx** and **SOLAIR 5200Rx** 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

Features:

- ★ SOLAIR 3200Rx: 0.3-25.0µm Size Range
- ★ SOLAIR 5200Rx: 0.5-25.0µm Size Range
- ★ 2.0 CFM (56.6 LPM) or 50 LPM Flow Rate
- ★ Simultaneous Display of up to 6 Particle Sizes
- ★ Designed to Enable 21 CFR Part 11 Compliance (With Additional Software)
- ★ Thermal Printer Option
- ★ 316L Stainless Steel Construction
- ★ Wipe-down Enclosure
- ★ Multiple Communication Interfaces - Ethernet, RS-485 and Universal Serial Bus (USB)
- ★ Sealed Inlet Port
- ★ Both Models Meet JIS Standards
- ★ 5.7-inch Color Touch Screen
- ★ 3000-record Data Storage Memory
- ★ 200 Alphanumeric Location Labels
- ★ User-Definable Printouts
- ★ Data Reported in Normalized Counts: FS-209E, ISO-14644-1, BS5295 or EU GMP

Benefits:

- ★ 2 Year Warranty
- ★ Cost Effective Price per Point
- ★ Easy System Integration
- ★ International Sales and Service Support
- ★ Low Cost of Ownership

Applications:

- ★ Cleanroom Monitoring
- ★ Building Automation
- ★ Facility Monitoring
- ★ Cleanroom Performance Verification
- ★ Trend Analysis
- ★ Cleanroom Laundries
- ★ Cleanroom Packaging
- ★ Pharmaceutical Packaging and Manufacturing



Specifications:

	3200Rx	5200Rx
Size Range:	0.3 - 25.0µm	0.5 - 25.0µm
Standard Channel Sizes:	0.3, 0.5, 1.0, 3.0, 5.0, 10.0µm	0.5, 0.7, 1.0, 3.0, 5.0, 10.0µm
Optional Channel Sizes:	0.3, 0.5, 1.0, 5.0, 10.0, 25.0µm	0.5, 1.0, 3.0, 5.0, 10.0, 25.0µm

Flow Rate:	2.0 CFM (56.6 LPM) or 50 LPM
Counting Efficiency:	Per JIS: 3200Rx = 50% @ 0.3µm; 100% for particles > 0.45µm; 5200Rx = 50% @ 0.5µm; 100% for particles > 0.75µm
Laser Source:	Laser Diode
Zero Count Level:	<1 count / 5 minutes (per JIS)
Concentration Limits:	250,000 particles / ft ³ @ 5% coincidence loss
Calibration:	NIST Traceable
Count Modes:	Manual, Automatic, Concentration and Real Time (with <i>LMSNet</i> or <i>LMS Express RT/RT+</i>)
Data Storage:	3,000 Sample Records (Rotating Buffer) which includes particle data, locations and times
Communication Modes:	RS-485/MODBUS; Ethernet; Universal Serial Bus
Supporting Software:	<i>LMS XChange</i> , <i>LMS Express</i> , <i>LMS Express RT/RT+</i> , <i>LMSNet</i> , <i>FMS-3</i>
Touch Screen Display:	5.7-inch (14.47 cm) color, 320x240
Printer:	Optional Built-in Thermal Printer
Reports:	ISO-14644-1, FS-209E, BS-5295 & EU GMP
Alarm:	Internal Adjustable Alarm, Alarms on Counts and Low Battery
Enclosure:	316L Stainless Steel
Sample Output:	Internally filtered to HEPA standards (>99.997% @ 0.3µm)
Vacuum Source:	Internal flow-controlled pump
Power:	100-240 VAC, 50-60 Hz
Battery:	Li-Ion, Removable & Rechargeable
Dimensions:	15.49" (d) x 8.0" (w) x 10.41" (h) [39.35 x 20.32 x 26.44 cm]
Weight:	With Battery: 27.6 lbs (12.52 kg) Without Battery: 24.7 lbs (11.2 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; Data Cable; Isokinetic Sample Probe with Tripod and Tubing; Purge Filter; Removable/ Rechargeable Li-Ion Battery; Power Cable and Spare Fuse; *LMS XChange* Software; Printer Paper (with Printer Option)

Optional: Printed Operating Manual; Thermal Printer; Cleanroom Cart; Cleanroom Thermal Printer Paper; Spare Removable/ Rechargeable Li-Ion Battery; External Battery Charger; *LMS Express/RT/RT+* Software; *LMSNet* Software; Validation Manual

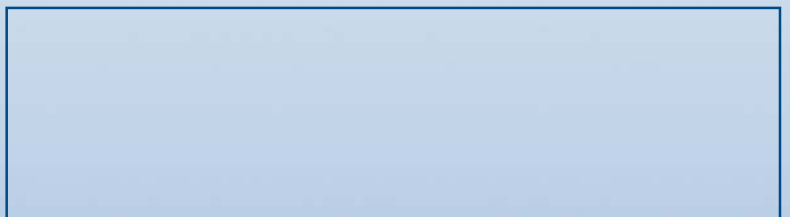
Manufactured by:



www.golighthouse.com
 info@golighthouse.com



Distributed by:



Tel: 800 945 5905
 510 438 0500 (Outside of USA)

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

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