


# SOLAIRPortable

## AIRBORNE PARTICLE COUNTERS

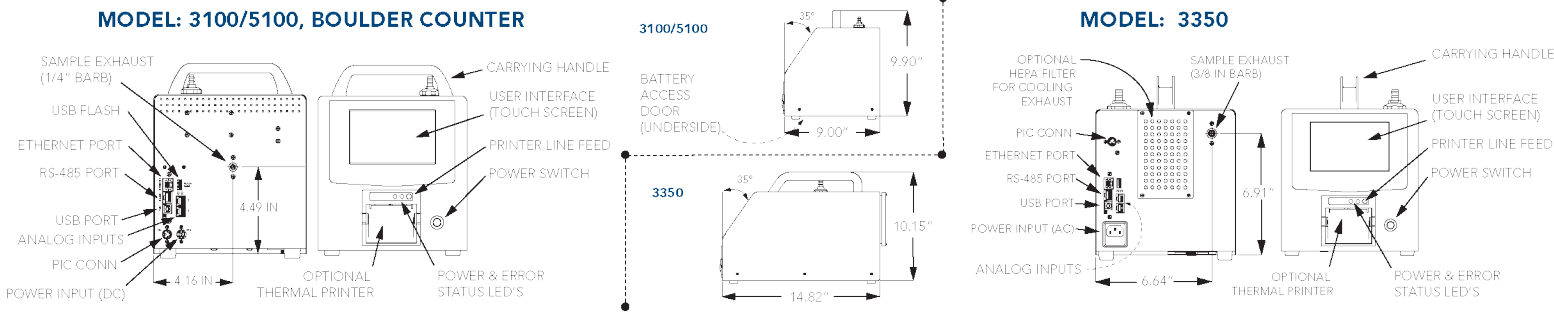


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**T**he SOLAIR series portable particle counters incorporate our extreme life laser diode sensor technology to produce the industry’s longest laser diode life of 20+ years MTTF (based on continuous 24/7 operation). Using a new, lighter, extended-life battery and external AC adapter, the SOLAIRs are even more portable. The SOLAIR features one of the industry’s best user interfaces (UI) to configure and operate the instrument with intuitive ICON-driven screens and menus that are simple and easy to learn and use.

### F E A T U R E S

- 0.3 -100µm Particle Size Channels
- 1.0 CFM or 100 LPM Flow Rates Available
- Up to 8 channels of simultaneous count data
- 21 CFR Part 11 compliant secure USB flash transfer
- Extreme life laser diode technology
- Stainless steel construction
- Ethernet/RS485/Modbus, 4x 4-20mA
- 3,000 Record data storage
- 50-record configurable recipe database
- 2 Year Warranty



**T E C H N I C A L   D A T A S H E E T**

## SOLAIR Airborne Particle Counters

Features / Models	SOLAIR 3100	SOLAIR 5100	SOLAIR Boulder Counter	SOLAIR 3350
<b>Minimum Size Detection</b>	0.3 µm	0.5 µm	5.0 µm	0.3 µm
<b>Standard 6 channel sizes</b>	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm	0.5, 0.7, 1.0, 3.0, 5.0, 10.0 µm	5.0, 10.0, 25.0, 40.0, 50.0, 100.0 µm	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm
<b>Additional Available sizes</b>	0.7, 25.0 µm	25.0 µm	0.5, 1.0, 20.0, 30.0 µm	0.7, 25.0 µm
<b>Flow Rate / Nozzle Size</b>	1 CFM (28.3 LPM), 1/4" Inlet Barb			3.5 CFM (100 LPM), 3/8" Inlet Barb
<b>Weight</b>	13.95 lbs (6.33 kg)			25.83 lbs (11.73 kg)
<b>Concentration Limits</b>	1,000,000 Particles/ft <sup>3</sup> @10%(35,300,000/m <sup>3</sup> ) Coincidence loss Suitable for ISO classes 1-8 cleanrooms			400,000 Particles/ft <sup>3</sup> @10% (14,120,000/m <sup>3</sup> ) Coincidence loss suitable for ISO classes 1-8 cleanrooms

<b>Communication</b>	USB, Ethernet, RS-485, USB flash drive
<b>Data Storage Records</b>	3,000 Records
<b>Count Modes</b>	Automatic, manual, beep, concentration, cumulative/differential
<b>Printer</b>	Available with and without internal printer
<b>Reports</b>	ISO 14644-1:2015, EU GMP Annex 1
<b>Alerts</b>	On counts & low battery, Includes ext. Alarm connection
<b>Enclosure</b>	Stainless steel
<b>Touch Screen Display</b>	5.7 inch (14.47 cm) color TFT touch screen display
<b>Power</b>	100-250 VAC, 47-63 HZ
<b>Light Source</b>	Extreme Life Laser Diode with > 20 years MTTF
<b>Calibration</b>	ISO 21501-4 Compliant and Accredited ISO 17025
<b>Zero Count Level</b>	< 1 Count / 5 minutes (meets specifications of JIS B 9921 and reporting requirements of ISO 21501-4 Annex C)
<b>Sample Output</b>	Internally filtered to HEPA standards (>99.97 @ 0.3 µm)
<b>Vacuum Source</b>	Internal closed-loop controlled pump
<b>Languages</b>	English (US), French, German, Spanish, Italian, Russian, Japanese, Korean and Chinese
<b>Supporting Software</b>	LMS Express, LMS Pharma, LMS Professional, LMS XChange

**Includes** Isokinetic sample probe, tubing, purge filter, power cables, spare fuse, printer paper, Calibration Certificate.

**Optional** Printed operating manual, wireless network adapter, removable rechargeable Li-Ion battery, carrying case with wheels, temperature/relative humidity probe, intelligent filter scanner probe, air velocity probe, ext. Battery charger, software (LMS Express, LMS Pharma), validation documentation.

**Distributed By:**

**Controlled Environment Solutions**

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