THE SOLAIR series portable particle counters incorporate our extreme life laser diode technology sensor to produce the industry’s longest laser diode life of 20+ year 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.

FEATURES
- 0.3 - 100 µm sensitivity
- 1.0 CFM & 100 LPM
- Up to 8 channels of simultaneous count data
- 21 CFR Part 11 compliant secure USB flash transfer
- Extreme life laser diode technology >20-year MTTF
- 5.7 inch color touch screen display
- Thermal printer
- Stainless steel construction
- Ethernet/RS485/Modbus, 4x 4-20mA analog inputs
- 3,000 record data storage
- 50-record configurable recipe database
- Report wizard: FS-209E, ISO-14644-1 & EU GMP Annex 1
- 2 year warranty
SOLAIR Portable Airborne Particle Counters

### Model: 3100
- **Size range**: 0.3 - 25.0 µm
- **Standard 6 channels**: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm
- **Standard 8 channel**: Optional between 0.3 and 25.0 µm
- **Flow rate**: 1 CFM (28.3 LPM)
- **Counting efficiency**: 50% @ 0.3 µm; 100% for particles > 0.45 µm (per ISO 21501-4)
- **Concentration limits**: 1,000,000 particles/ft³ (35,300,000/m³) @ 10% coincidence loss suitable for ISO classes 1-8 cleanrooms
- **Dimensions**:
  - 9.5"(l) x 8.0"(w) x 10.2"(h) (24.13 x 20.32 x 25.9 cm)
  - With battery: 13.95 lbs (6.33 kg), without battery 12.35 lbs (5.6 kg)
- **Weight**: 10.00 lbs (4.54 kg)

### Model: 5100
- **Size range**: 0.3 - 25.0 µm
- **Standard 6 channels**: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm
- **Standard 8 channel**: Optional between 0.3 and 25.0 µm
- **Flow rate**: 1 CFM (28.3 LPM)
- **Counting efficiency**: 50% @ 0.3 µm; 100% for particles > 0.45 µm (per ISO 21501-4)
- **Concentration limits**: 1,000,000 particles/ft³ (35,300,000/m³) @ 10% coincidence loss suitable for ISO classes 1-8 cleanrooms
- **Dimensions**:
  - 9.5"(l) x 8.0"(w) x 10.2"(h) (24.13 x 20.32 x 25.9 cm)
  - With battery: 13.95 lbs (6.33 kg), without battery 12.35 lbs (5.6 kg)
- **Weight**: 12.35 lbs (5.6 kg)

### Model: 3350
- **Size range**: 0.3 - 25.0 µm
- **Standard 6 channels**: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm
- **Optional 6 channels**: 0.3, 0.5, 1.0, 2.0, 3.0, 5.0, 7.0 µm
- **Flow rate**: 100 LPM
- **Counting efficiency**: 50% @ 0.3 µm; 100% for particles > 0.45 µm (per ISO 21501-4)
- **Concentration limits**: 400,000 particles/ft³ (14,120,000/m³) @ 10% coincidence loss suitable for ISO classes 1-8 cleanrooms
- **Dimensions**:
  - 14.65"(l) x 8.0"(w) x 10.4"(h) (37.0 x 20.0 x 26.0 cm)
  - With battery: 25.83 lbs (11.73 kg), without battery 22.75 lbs (10.32 kg)
- **Weight**: 22.75 lbs (10.32 kg)

### Features
- **Laser Source**: Extreme Life Laser Diode with > 20 years MTTF
- **Zero Count Level**: < 1 count / 5 minutes (per ISO 21501-4)
- **Calibration**: Automatic, manual, beep, concentration, cumulative/differential
- **Data Storage**: 3,000 sample records, rotating buffer
- **Communication Modes**: USB, Ethernet, RS-485, USB flash drive
- **Supporting Software**: LMS Express, LMS Express RT, LMS Pharma
- **Touch Screen**: 5.7 inch (14.47 cm) color TFT touch screen display

### Included
- Operating manual with CD, LMS Express transfer software, download instructions, Tripod, tubing, purge filter, power cables, spare fuse, printer, printer paper
- 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 ExpressRT, LMS Pharma), validation documentation, cleanroom cart

### Optional
- 100°F to 104°F (10°C to 40°C) / 20% to 95% non-condensing
- 14°F to 22°F (-10°C to 50°C) / Up to 98% non-condensing

### Distributed By:
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Lighthouse Worldwide Solutions reserves the right to change specifications without notice.