



The Handheld 3016 particle counter features 0.5µm sensitivity and is the most advanced handheld particle counter on the market. Providing up to 6 particle size channels of simultaneous counting, it can display cumulative and differential particle count data as well as Temperature/Relative Humidity data on the fast and easy to read colour touch screen.

This unit can hold up to 3000 records of particle data and the configurable recipe database can store up to 50 recipes for sampling and reports. Removable batteries and an optional charger help to maximize the Handheld's uptime. Data is very easily downloaded using the Data Transfer Software. This unit can be used as a mobile particle monitor or become a part of a large facility monitoring and management system.



### Features:

### Standards:

- 0.5 - 25 µm
- 0.1 CFM (2.83 LPM)
- Flow Rate
- View 6 Particle Sizes Simultaneously
- Unit-to-Unit Accuracy and Repeatability
- Bright 3.5" (8.89 cm) Colour Touch Screen Display
- Removable / Rechargeable Li-Ion Battery
- Large Memory for Storing Data (3,000 samples)
- Concentration Limit - 4,000,000/ft<sup>3</sup>
- Temperature/Relative Humidity Probe Included
- Test Wizard for Cleanroom Pass/Fail Reports
- FS-209E, ISO-14644-1 or EU GMP Annex 1
- 50-record Recipe Database
- Interface with Zoom Capability
- Open Architecture Connectivity with OPC Server
- Alphanumeric Location Labels
- Internal Audible Alarm
- Ergonomically Designed
- Lightweight

- 21501-4
- JIS B 9921

### Applications:

- ISO Cleanroom Certification
- Filter Testing
- Indoor Air Quality Investigations
- Locate Contamination Sources
- Process Verification, Validation
- Quality Assurance
- Portable Particle Measurements



TFT Colour Touch Screen Interface



Removable Rechargeable Li-Ion Battery



One-handed Operation with Start & Stop on Handle



Removable Temp/RH & Isokinetic Probes



Easily Download Data to PC



**Specifications:**

<b>Size Range</b>	0.5 – 25.0µm
<b>Channel Size</b>	Standard: 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm Optional: 0.3, 0.5, 0.7, 1.0, 2.5, 5.0 µm, 10.0 µm * Specify 3 channels at time of order
<b>Counting Efficiency</b>	50% @ 0.5 µm; 100% for particles > 0.75 µm (per ISO 21501-4)
<b>Flow Rate</b>	0.1 CFM (2.83 LPM)
<b>Laser Source</b>	Extreme Life Laser Diode with > 20 years MTTF
<b>Zero Count Level</b>	<1 count / 5 minutes (per ISO 21501-4)
<b>Concentration Limits</b>	4,000,000 particles/ft3 @ 5% coincidence loss
<b>Calibration</b>	Meets ISO 21501-4 calibration using NIST traceable PSL spheres, DMA and condensation Particle Counter
<b>Data Storage</b>	3,000 sample records, rotating buffer (includes particle and environmental data, location and time)
<b>Communication Modes</b>	RS-232 via RJ-45 to a PC or an optional printer
<b>Supporting Software</b>	LMS Express, LMS Express RT, LMS Pharma
<b>Environmental Sensors</b>	Temperature/relative humidity probe: 32-122°F (0-50°C) +/- 1°F (0.5°C) ; 15-90% +/- 2% RH
<b>Touch Screen Display</b>	3.5" (8.89 cm), colour TFT
<b>Reports</b>	FS-209E, ISO-14644-1 & EC GMP
<b>Alarms</b>	Internal, adjustable alarm buzzer. Alarms on counts. Low battery or sensor failure
<b>Sample Inlet</b>	Isokinetic Sampling Probe
<b>Sample Outlet</b>	Internally filtered to HEPA standards (>99.97% @ 0.3 µm)
<b>Vacuum Source</b>	Internal pump, automatic flow control
<b>Enclosure</b>	High impact injection moulded plastic
<b>Power</b>	External power supply: 12VDC, 1.25A
<b>Battery</b>	Li-Ion, internal & rechargeable
<b>Dimensions</b>	8.75" (L) x 5.0" (W) x 2.5" (H) (22.23 x 12.7 x 6.35 cm)
<b>Weight</b>	2.2 lb (1 kg)
<b>Languages</b>	English (U.S.), Deutsch, Espanol, Italiano, Francois, Russian, Japanese, Korean

**Benefits:**

- 2 Year Warranty
- User Friendly Interface
- International Support
- Low Cost of Ownership



**Relative Equipment**

- Model 3013
- 0.3 – 10.0µm

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