LIGHTHOUSE
WORLDWIDE SOLUTIONS

HANDHELD
PARTICLE COUNTERS

Ergonomically designed and lightweight, the Lighthouse **HANDHELD** line of particle counters which features the 2016, 3016 and 5016 are the most advanced Handheld particle counters on the market .
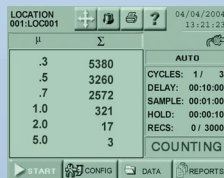
Offering 6 channels of simultaneous particle counting, the Lighthouse **HANDHELD** Particle Counters display both cumulative and differential particle count data as well as Temperature/Relative Humidity data on its easy to read 3.8" (9.65 cm) touch screen. A removable battery maximizes the **HANDHELD's** uptime. Data is easily downloaded using the Lighthouse Data Transfer Software.

The **HANDHELD** can be used as a mobile particle monitor or can become a part of a larger facility monitoring/management system.

Designed and built by **Lighthouse**, a name you can trust.

Features:

* Handheld 2016: 0.2 - 2 μm
* Handheld 3016: 0.3 - 25 μm
* Handheld 5016: 0.5 - 25 μm
* 0.1 CFM (2.83 LPM) Flow Rate
* View 6 Particle Sizes Simultaneously
* Meets JIS Standards
* 3.8" (9.25 cm) Touch Screen Interface
* Removable / Rechargeable Li-Ion Battery
* Large Memory for Storing Data (3,000 samples)
* Concentration Limit - 4,000,000/ft^3
* Temperature/Relative Humidity Probe Included
* Alphanumeric Location Labels
* Data Reported in Normalized Counts, FS-209E, ISO-14644-1 or EC GMP
* Easily Configurable Interface with Zoom Capability
* Internal Audible Alarm
* Ergonomically Designed
* Lightweight
* Data Easily Downloaded to Computer

Benefits:

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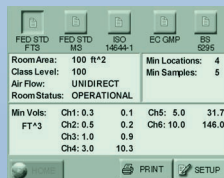* Low Cost of Ownership

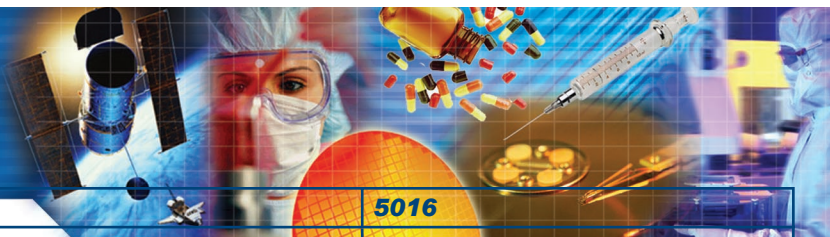Backlit Touchscreen Interface

Removable Rechargeable Li-Ion Battery

One-handed Operation with Start & Stop on Handle

Removable Temp/ RH and Isokinetic

Easily Download Data to PC

LIGHTHOUSE
LIGHTHOUSE
WORLDWIDE SOLUTIONS

Specifications- HANDHELD 2016/3016/5016

	2016	3016	5016
Size Range:	0.2 - 2.0 µm	0.3 - 25.0 µm	0.5 - 25.0 µm
Channel Sizes:	0.2, 0.3, 0.5, 0.7, 1.0, 2.0 µm	Standard: 0.3, 0.5, 0.7, 1.0, 2.0, 5.0 µm Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm Standard: 0.3, 0.5, 0.7, 1.0, 2.5, 5.0 µm Standard: 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm Optional: 0.3, 0.5, 1.0, 5.0, 10.0, 25.0 µm	Standard: 0.5, 0.7, 1.0, 3.0, 5.0, 10.0 µm Optional: 0.5, 1.0, 3.0, 5.0, 10.0, 25.0 µm
Counting Efficiency:	50% @ 0.2 µm; 100% for particles > 0.3 µm (per JIS)	50% @ 0.3 µm; 100% for particles > 0.45 µm (per JIS)	50% @ 0.5 µm; 100% for particles > 0.75 µm (per JIS)

Flow Rate:	0.1 CFM (2.83 LPM)
Laser Source:	Laser Diode
Zero Count Level:	<1 count / 5 minutes (per JIS)
Concentration Limits:	4,000,000 Particles / ft^3 @ 5% Coincidence Loss
Calibration:	NIST Traceable
Count Modes:	Automatic, Manual, Beep, Concentration, Cumulative/Differential
Data Storage:	3,000 Sample Records, Rotating Buffer (includes particle and environmental data, plus location and time)
Communication Modes:	RS-232 via RJ-45 to PC or Printer
Supporting Software:	LMS XChange, LMS Express, LMS Express RT and LMS Express RT+, LMS Net
Environmental Sensors:	Temperature/Relative Humidity Probe: 32-122°F(0-50°C) ±1°F (0.5°C), 15-90% ± 2% RH
Touch Screen Display:	3.8" (9.65 cm), Monochrome, 320x240
Reports:	FS-209E, ISO-14644-1 & EC GMP
Alarms:	Internal, Adjustable Alarm Buzzer. Alarms on Counts, Low Battery, Sensor Failure
Sample Inlet:	Isokinetic Sampling Probe
Sample Output:	Internally Filtered to HEPA Standards (>99.997% @ 0.3 µm)
Vacuum Source:	Internal Pump, Automatic Flow Control
Enclosure:	High Impact Injection Molded Plastic
Power:	100-240 V, 50-60 Hz
Battery:	Li-Ion, Removable & Rechargeable
Dimensions:	8.75" (l) x 5.0" (w) x 2.5" (h) [22.23 x 12.7 x 6.35 cm]
Weight:	2.2 lb (1kg)

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, Removable Battery, Isokinetic Sample Probe (direct mount), Purge Filter, Temperature/Relative Humidity Probe, Power Supply, Power Cord, LMS XChange Software

Optional: Carrying Case, Isokinetic Sample Probe (with 6 ft tubing for extending Isokinetic Sampling input), Removable / Rechargeable Li-Ion Battery, External Battery Charger w/ AC & Car Adapter, Thermal Printer and Cable, LMS Express Software, LMS Express RT Software, LMS Express Software RT+, Mini Manifold, Validation Documentation

CE

ETL LISTED c us INTERTEK

上海萨海测量技术有限公司
电话：021-6236 2960
传真：021-5235 2321
邮箱：sales@seasy-ist.com
网址：www.seasy-ist.com