



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.**

Lighthouse is an ISO 9001:2000 Registered Company.

www.golighthouse.com

Features:

- ★ Handheld 2016: 0.2 - 2 μ m
- ★ Handheld 3016: 0.3 - 25 μ m
- ★ Handheld 5016: 0.5 - 25 μ m
- ★ 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/ft³
- ★ 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 can be Easily Downloaded to a Computer

Benefits:

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



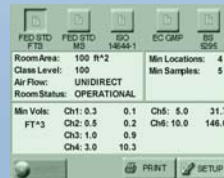
Backlit
Touchscreen
Interface



Removable
Rechargeable
Li-Ion Battery



One-handed
Operation with
Start & Stop on
Handle



Reports Screen



Removable Temp/
RH and Isokinetic
Probe



Easily Download
Data to PC



Specifications

	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 location and time information, as well as particle and environmental data)
Communication Modes:	RS-232 via RJ-45 to a PC or an Optional Printer
Supporting Software:	LMS XChange; LMS Express, LMS Express RT and LMS Express RT+; LMSNet
Environmental Sensors:	Temperature/Relative Humidity Probe: 32-122°F(0-50°C) \pm 1°F (0.5°C), 15-90% \pm 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 or 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

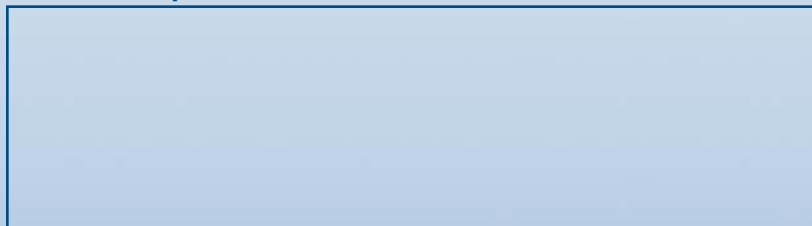
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