

HANDHELD 3013



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Using an ergonomic and lightweight design, the **HANDHELD 3013** is Lighthouse's newest handheld particle counter and is ideal for use where a smaller lightweight handheld counter is needed.

Offering 3 channels of simultaneous particle counting, the **HANDHELD 3013** displays both cumulative and differential particle count data on its easy to read 2.7" (6.8 cm), 128x64 OLED screen. Its rechargeable battery allows up to eight hours of continual operation. Easily download data via its USB port using the Lighthouse Data Transfer Software, **LMS XChange**.

The **HANDHELD 3013** will monitor particulate levels accurately and reliably, even in those "hard-to-reach" areas where two-handed operation is unsafe.

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

Benefits :

- 2 Year Warranty
- Built-in Recipes and Reports make cleanroom testing and certification fast and easy
- User Friendly Interface
- International Support
- Low Cost of Ownership

Applications :

- ISO Cleanroom Certification

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

Features:

- 0.3 - 10 μm Size Range
 - 0.1 CFM (2.83 LPM) Flow Rate
 - View 3 Particle Sizes Simultaneously
 - Meets JIS B 9921 Standard
 - Built-in Tilt Stand
 - Real Time Data Display
 - 128 x 64 OLED Screen
 - Rechargeable Li-Ion Battery
 - Large 1,000 sample Data Storage Memory
 - 100 Location Labels
 - Choose from English, French, German, Italian or Spanish for Display Language
 - 50% Counting Efficiency
 - USB Interface
 - Data Easily Downloaded to a Computer
 - Easy Interface Configuration
 - On Screen Data Buffer Viewing
 - Internal Audible Alarm
 - Easy One-handed Sampling
 - Ergonomically Designed
 - Lightweight - Only 1.5 lbs.
 - Compact and Easy to Handle
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- International Support
 - Low Cost of Ownership
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- ISO Cleanroom Certification
 - Filter Testing
 - Indoor Air Quality Investigations
 - Locate Contamination Sources
 - Process Verification, Validation
 - Quality Assurance
 - Portable Particle Measurements

Specifications

Size Range:	0.3 – 10.0 μm
Channel Sizes:	Standard: 0.3, 0.5, 5.0 μm Optional: (specify at time of order) 0.3, 0.5, 0.7, 1.0, 2.5, 5.0, 10.0 μm
Counting Efficiency:	50% @ 0.3 μm , 100% for particles $>0.45 \mu\text{m}$ (per JIS B 9921)
Flow Rate:	0.1 CFM (2.83 LPM)
Laser Source:	Laser Diode
Zero Count Level:	
Concentration Limits:	4,000,000 particles / ft^3 @ 5% coincidence loss
Vacuum Source:	Internal Twin Diaphragm Pump
Display Language:	US English, French, German, Italian, Spanish
Communication:	USB Output port
Count Modes:	Automatic, Beep, Concentration
Supporting Software:	LMS XChange; LMS Express
Enclosure:	Molded ABS
Power:	Internal Lithium Ion Battery
Recharge Time:	Less than 2 hours to fully charge
Battery Life:	Up to 8 Hours of Continual Use
Dimensions:	4.2" (w) x 6.5" (h) x 1.9" (d) [10.5 x 16.5 x 4.8 cm]
Weight:	1.5 lbs (0.68 kg)

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:	LMS XChange Data Transfer Software; Operating Manual on CD; USB Interface Cable; AC Adapter; Purge Filter; Hard Carrying Case
Optional:	LMS Express Software; Printed Operating Manual