



**LIGHTHOUSE**  
WORLDWIDE SOLUTIONS  
Technology That Counts!



## HANDHELD 3013 PARTICLE COUNTER

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 - a name you can trust.**

Lighthouse is an ISO 9001:2000 Registered company.

[www.golighthouse.com](http://www.golighthouse.com)

### Features:

- ★ 0.3 - 10  $\mu$ m Size Range
- ★ 0.1 CFM (2.83 LPM) Flow Rate
- ★ View 3 Particle Sizes Simultaneously
- ★ Meets JIS B 9921 and ISO 21501-4 Standards
- ★ 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 per ISO 21501-4
- ★ 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

### Benefits:

- ★ 2 Year Warranty
- ★ 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



<b>HH3013</b>	
<b>Size Range:</b>	0.3 - 10.0µm
<b>Channel Sizes:</b>	Standard: 0.3, 0.5, 5.0µm Optional: (specify at time of order) 0.3, 0.5, 0.7, 1.0, 2.5, 5.0, 10.0µm
<b>Counting Efficiency:</b>	50% @ 0.3µm, 100% for particles >0.45µm (per JIS B 9921, ISO 21501-4)
<b>Flow Rate:</b>	0.1 CFM (2.83 LPM)
<b>Light Source:</b>	Laser Diode
<b>Zero Count Level:</b>	<1 count / 5 minutes (per JIS B 9921)
<b>Concentration Limits:</b>	4,000,000 particles / ft <sup>3</sup> @ 5% coincidence loss
<b>Calibration:</b>	NIST Traceable, ISO 21501-4 Compliant
<b>Vacuum Source:</b>	Internal Twin Diaphragm Pump
<b>Display Language:</b>	US English, French, German, Italian, Spanish
<b>Communication:</b>	USB Output port
<b>Count Modes:</b>	Automatic, Beep, Concentration
<b>Supporting Software:</b>	<i>LMS XChange; LMS Express</i>
<b>Enclosure:</b>	Molded ABS
<b>Power:</b>	Internal Lithium Ion Battery
<b>Recharge Time:</b>	Less than 2 hours to fully charge
<b>Battery Life</b>	Up to 8 Hours of Continual Use
<b>Dimensions:</b>	4.2" (w) x 6.5" (h) x 1.9" (d) [10.5 x 16.5 x 4.8 cm]
<b>Weight:</b>	1.5 lbs (0.68 kg)

*Environmental Conditions:*

**Operating:** 50°F to 104°F (10°C to 40°C), Humidity 20% to 95% non-condensing  
**Storage:** 14°F to 122°F (-10°C to 50°C), Humidity 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

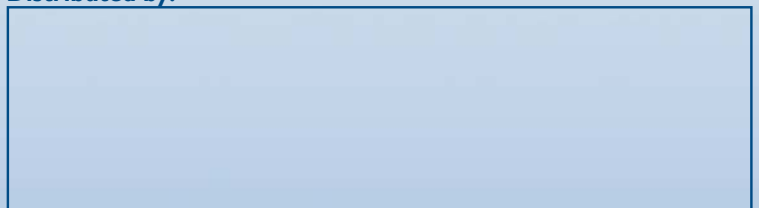
**Optional:** *LMS Express Software*; Printed Operating Manual

Manufactured by:

 **LIGHTHOUSE**  
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