



HANDHELD 3016

IAQ PARTICLE COUNTER

Ergonomically designed and lightweight, the Lighthouse **HANDHELD 3016** is the newest and most advanced Handheld particle counter on the market.

Offering 6 channels of simultaneous particle counting, the **HANDHELD 3016** displays 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** 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.

www.golighthouse.com

Features:

- ★ 0.3 μm Sensitivity
- ★ 0.1 CFM (2.83 LPM) Flow Rate
- ★ Removable / Rechargeable Li-Ion Battery
- ★ View 6 Particle Sizes Simultaneously
- ★ Meets JIS Standards
- ★ 3.8" (9.25 cm) Touch Screen Interface
- ★ Large Memory for Storing Data-3000 data points
- ★ On-Screen Data Buffer Viewing
- ★ Molded Handle Allows One-handed Sampling
- ★ Internal Audible Alarm
- ★ Ergonomically Designed
- ★ Lightweight
- ★ Temperature/Relative Humidity Probe Included
- ★ Battery or AC Operation
- ★ Data Easily Downloaded to Computer
- ★ Designed for Reliability

Benefits:

- ★ 2 Year Warranty
- ★ User Friendly Interface
- ★ Easy to Read Display
- ★ Removable Battery for External Charging
- ★ International Support
- ★ Low Cost of Ownership

Applications:

- ★ Baseline Studies
- ★ Mold Remediation
- ★ Assists in Mold Location
- ★ Verify Containment Areas during Mold Remediation
- ★ Detect and Verify Particle Sources
- ★ Filter Testing
- ★ Validation of HVAC Duct Cleanliness
- ★ Pre-test Prior to CIH certification
- ★ Indoor Air Quality Investigations
- ★ Laminar Air Flow and Biohazard Benches
- ★ Hospital Surgical Rooms
- ★ Paint Spray Booths
- ★ Monitor Manufacturing Areas



LIGHTHOUSE

WORLDWIDE SOLUTIONS



Specifications

Size Range:	0.3 - 10.0 μm
Channel Sizes:	Standard: 0.3, 0.5, 0.7, 1.0, 2.5, 5.0 μm Additional size channel options available
Flow Rate:	0.1 CFM (2.83 LPM)
Counting Efficiency:	50% @ 0.3 μm ; 100% for particles > 0.45 μm (per JIS)
Laser Source:	Laser Diode
Zero Count Level:	<1 count / 5 minutes (per JIS)
Calibration:	NIST Traceable
Count Modes:	Concentration, manual/automatic, beep, 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 Data Download Utility, LMS Express
Environmental Sensors:	Temperature/Relative Humidity Probe: 32-122°F (0-50°C) $\pm 1^\circ\text{F}$ (0.5°C), 15-90% $\pm 2\%$
Concentration Limits:	2,000,000 particles / ft^3 @ 5% coincidence loss
Touch Screen Display:	3.8" (9.65 cm), Monochrome, 320x240
Reports:	FS-209E, ISO-14644-1 & EC GMP
Alarms:	Counts, low battery, sensor fail
Sample Inlet:	Isokinetic sampling probe
Sample Output:	Internally filtered to HEPA standards (>99.997% @ 0.3 μm)
Vacuum Source:	Internal pump, flow controlled
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, Removable Battery, Isokinetic Sample Probe (direct mount), Purge Filter, Temperature/Relative Humidity Probe, LMS XChange Software, Power Supply, Power Cord
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, Validation Documentation

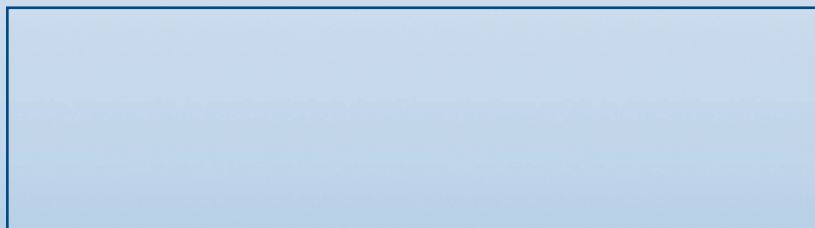
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