LIGHTHOUSE
WORLDWIDE SOLUTIONS

Features:

★ 5 - 100 μm @ 1.0 CFM (28.3 LPM)
★ Simultaneous Display of up to 6 Particle Sizes
★ Meets JIS Standards
★ 5.7-inch (14.47 cm) Color Touch Screen
★ Removable, Rechargeable Li-Ion Battery
★ 3,000-sample Data Storage Memory
★ Up to 4 Environmental Sensors (4-20 mA)
★ 200 Alphanumeric Location Labels
★ Thermal Printer / User Definable Printouts
★ Data Reported in Normalized Counts:
    FS-209E, and ISO-14644-1 Formats
★ Easily Configured Interface with Zoom Capability
★ Integrated Alarm and External Alarm Connection
★ Data Easily Transferred to a Computer

Benefits:

★ 2 Year Warranty   ★ Easy-to-Read Display
★ User-Friendly Interface   ★ International Support
★ Low Cost of Ownership   ★ Small Footprint

Applications:

★ Aerospace Flight and Space Hardware Manufacture
★ Aerospace Precision Engine Manufacture
★ Flat Panel Display Manufacturing
★ Medical Device Manufacturing
★ Automotive Precision Machining and Paint

Easy Loading Thermal Printer

User Removable Rechargeable Li-Ion Battery

Zoom Screen Functionality

User Friendly Configuration

Alphanumeric Location Labels

Multiple Cleanroom Standard Reports via Printer

BOULDER COUNTER

AIRBORNE PARTICLE COUNTER

The **BOULDER COUNTER** portable airborne particle counter offers a sensitivity of 5 microns at a flow rate of 1.0 CFM (28.3 LPM) and a wide dynamic range of 5 to 100 microns.

With its 5.7-inch (14.47 cm) color touch screen, the **BOULDER COUNTER** is easy to configure and operate. It can store 3,000 records of particle count data from 6 channels and environmental data from up to 4 sensors (4-20 mA). All data can be quickly and reliably transferred to a computer or printed on its built-in thermal printer.

Demonstrating its versatility, the **BOULDER COUNTER** can be used as a portable instrument or integrated into a facility monitoring system.

Designed and built by Lighthouse - a name you can trust.

Lighthouse is an ISO 9001:2000 Registered company

www.golighthouse.com

Specifications:

Size Range:	5 - 100µm
Channel Sizes:	Standard: 5, 10, 25, 40, 50, 100µm
Counting Efficiency:	50% @ 5.0µm; 100% for particles > 7.5µm (per JIS)

Flow Rate:	1.0 CFM (28.3 LPM)
Laser Source:	Laser Diode
Zero Count Level:	<1 count / 5 minutes (per JIS)
Concentration Limits:	500,000 Particles/ft^3 @5% Coincidence Loss
Calibration:	NIST Traceable
Count Modes:	Automatic, Manual, Beep, Concentration, Cumulative/Differential, Real-time (with *LMSNet*, *LMS Express RT/RT+*)
Data Storage:	3,000 Sample Records (Rotating Buffer) which include particle and environmental data, locations and times
Communication Modes:	RS-232 via RJ-45 to PC, RS-485/MODBUS
Supporting Software:	*LMS XChange*, *LMS Express*, *LMS Express RT* and *RT+*; *LMSNet*
Environmental Sensors:	Optional (up to 4): Temperature/Relative Humidity, Air Velocity, Differential Pressure, or others
Touch Screen Display:	5.7" (14.47 cm) Color, 320x240 pixels
Printer:	Built-in Thermal Printer
Reports:	Normalized Counts, FS-209E, ISO-14644-1
Alarm:	Integrated Alarm, External Alarm Connector; Alarms on Counts or Low Battery
Enclosure:	Stainless Steel
Sample Output:	Internally Filtered to HEPA Standards (>99.997% @ 0.3µm)
Vacuum Source:	Internal Pump, Automatic Flow Control
Power:	100-240 VAC, 50-60 Hz
Battery:	Li-Ion, Removable & Rechargeable
Dimensions:	9.96" (l) x 8.0" (w) x 10.16" (h) [25.3 x 20.32 x 20.81 cm]
Weight:	With Battery: 14.9 lbs (6.8 kg) Without Battery: 12.95 lbs (5.9 kg)

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; Isokinetic Sample Probe; Purge Filter; Removable, Rechargeable Li-Ion Battery; Power Cable and Spare Fuse; *LMS XChange* Software; Printer; Thermal Printer Paper

Optional: Printed Operating Manual; *Network Adapter; Wireless Network Adapter;* Carrying Case with Wheels; Cleanroom Cart; Temperature/Relative Humidity Probe; Air Velocity Probe; Differential Pressure Probe; High Pressure Diffuser; Spare Li-Ion Battery; External Battery Charger; *LMS Express*, *Express RT* and *RT+* Software; *LMSNet* Software
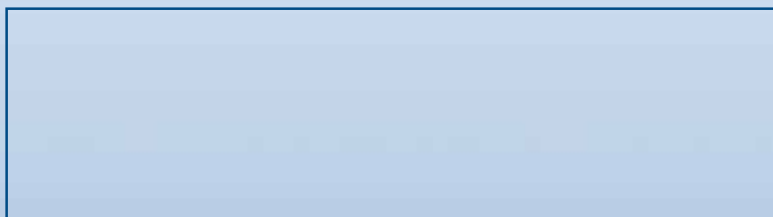
Manufactured by:

LIGHTHOUSE
W O R L D W I D E   S O L U T I O N S

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