

HandiLaz[®] Mini

Handheld Airborne Particle Counter

The HandiLaz[®] Mini particle counter is ergonomically designed to fit in the palm of your hand. The Mini is rugged and dependable, providing tremendous value for cost-conscious users who want a reliable, easy-to-use, handheld particle counter.



BENEFITS

Cost-Effective

- Low-cost alternative for spot monitoring
- Versatile; useful for many applications
 - ISO certification
 - Counts up to 2,000,000 particles/ft.³
- Low cost of ownership
- Batteries allow continuous use with no downtime
- Diode laser eliminates need for frequent cleaning

Convenient, Easy-to-Use

- Particle measurements made in seconds
- Intuitive, easy-to-learn user interface
- Interfaces directly by cable to optional printer or PC
- Easy CSV data transfer to Excel[®]
- Quick and easy leak detection

Compact and Portable

- Fits easily in palm of your hand
- Weighs only 1.5 lb. (0.68 kg)
- Uses standard AA batteries to provide easy mobility, extended testing periods, reduced costs, and simplified repurchasing

FEATURES

- Simultaneously sizes and counts particles in three fixed channels
- Sizing sensitivities of 0.3, 0.5, and 5.0 microns
- Sample flow rate of 0.1 ft.³/min. (2.83 L/min.)
- Quiet pump, flow control
- Power supply for dedicated use, batteries for mobile use
- Stores up to 10,000 samples
- Five different sampling modes
- Data output via RS-232 or RS-485
- Data download software INCLUDED
- One year warranty
- External printer optional
- Four standard AA-sized, high capacity, quick change, rechargeable NiMH batteries

APPLICATIONS

- Conducting ISO certification of cleanrooms
- Detecting local particle sources
- Point-of-use measurements in cleanrooms
- Filter testing and leak detection
- Portable particle counting

Without measurement, there is no control.

Channel thresholds:	3 channels: 0.3, 0.5, and 5.0 μm
Flow rate:	0.1 ft. ³ /min. (2.83 L/min.)
Flow sensor:	Smart flow control based on pressure transducers
Light source:	Laser diode
Calibration particles:	NIST-traceable particles
Max. concentration: (@ 5% coincidence error)	>2,000,000/ft. ³
Zero count:	<1 per 5 min. (JIS)
Counting efficiency:	50% +/- 20% @ 0.3 μm (meets JIS for first channel)
ISO Certification:	ISO 5-8 @ 0.5 and 5.0 μm
Sample output filtering:	None
Communication modes:	RS-232C or RS-485; RJ11 connector; RS-485 via cascade connection only
Communications protocol:	9600 bps Baud rate
User interface & display:	Keypad; LCD: 4 lines, 20 letters
Data display modes:	Counts, Counts/m ³ , Counts/ft. ³
Sampling modes:	Repeated, Single, Continuous, Calculation, and "ISO > Class 4" (calculations for 0.5 and 5.0 μm)
Key internal software features:	ISO certification, Hotkey, Autostart, Sample, Display, Uplink, Print, Clear, and Alarms
Standard reports: (from optional external printer)	Repeat, Single or Continuous sampling modes, plus Calculation or ISO mode
Error messages (real-time):	Excessive Concentration, Exceeds Alarm Limits, Laser Power, Low Battery, Printer Buffer
External software:	Downloads CSV file
Data storage:	Up to 10,000 samples; Calculations take 2 spaces
Data security:	Cannot edit stored data; cannot delete individual records
External surface:	ABS (plastic resin)
Appropriate cleaning materials:	Methanol or neutral detergents
Dimensions (w, h, d):	4.3" x 7.6" x 2.7" (11 x 20 x 7 cm)
Weight:	1.5 lb. (0.68 kg) without batteries
Power:	AC adapter:100-240 VAC, 50/60 Hz
Batteries:	4 rechargeable AA NiMH batteries (1.2 VDC; 2100 mA)
Operating time on battery:	3 hr.
Battery recharging:	External charger
Operating temperature:	10 - 35°C
Operating humidity:	0-85%, non-condensing

Particle Measuring Systems, Inc. reserves the right to change specifications without notice.

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Excel[®] is a registered trademark of Microsoft Corporation.

Standard Accessories: Isokinetic sampling probe, AC adapter and cord, zero filter and tube, Operator's Manual, 4 AA NiMH rechargeable batteries, external battery charger, PC cable, stand, and data download software

Optional Accessories: External printer, cable, carrying case, and tripod

AUTHORIZED REPRESENTATIVE



ISO 9001:2000
FM 40574

Registration applies to the Boulder, Colorado facility



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