LIGHTHOUSE
WORLDWIDE SOLUTIONS

REMOTE 5102PN

AIRBORNE PARTICLE COUNTER

The ***REMOTE 5102PN*** meets the stringent requirements of today's aseptic processing applications. Incorporating the latest laser optical particle counting technology, Lighthouse designed the ***REMOTE 5102PN*** for continuous trouble-free operation.

The ***REMOTE 5102PN*** uses a built-in vacuum pump and flow control system to insure accurate and reliable sensor performance.

With a sensitivity of 0.5 micron at a controlled flow rate of 1.0 CFM, the ***REMOTE 5102PN*** provides continuous real-time data at a cost-effective price per point.

The ***REMOTE 5102PN*** integrates seamlessly into large facility monitoring and management systems and transfers up to 2 channels of simultaneous particle count data using 4-20mA output.

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

Lighthouse is an ISO 9001:2000 Registered Company

www.golighthouse.com

Features:

★ Channel sizes: 0.5 - 5.0µm for GMP Compliance
★ 1.0 CFM (28.3 LPM) Flow Rate
★ Internal Vacuum Pump with Flow Control
★ Up to 2 Channels of Simultaneous Data
★ Meets JIS Standards
★ NEMA Style 316L Stainless Steel Enclosure
★ LED Status Indicators
★ Interfaces to Facility Monitoring Systems
★ 4-20mA Output

Benefits:

★ 2 Year Warranty
★ Cost Effective Price per Point
★ Easy System Integration
★ International Sales and Service Support
★ Low Cost of Ownership

Applications:

★ Aseptic Process Monitoring
★ Isolator Monitoring
★ Aerospace
★ Chemical Manufacturing
★ Equipment Monitoring
★ Pharmaceutical Packaging and Manufacturing
★ Trend Analysis
★ Cleanroom Laundries
★ Cleanroom Packaging
★ Semiconductor
★ Hard Disk Drive Manufacturing

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Specifications:

	5102PN
Size Range:	0.5 - 25.0µm
Channel Sizes:	Standard: 0.5, 5.0µm Optional: 0.5, 10.0µm
Counting Efficiency:	50% @ 0.5µm, 100% for particles >0.75µm (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
Sample Output:	Internally filtered to HEPA standards (>99.997% @ 0.3µm)
Vacuum Source:	Internal Pump
Air Flow:	Internally Monitored and Controlled
Communication Modes:	4-20mA Output
LED Indicators:	Power, Service
I/O Connection:	RJ-45
Supporting Software:	*Lighthouse Monitoring System; LMS XChange*
Enclosure:	316L Stainless Steel
Power:	24V DC
Dimensions:	10” (w) x 12” (h) x 6.9” (d) [25.4 x 30.4 x 14.9 cm]
Weight:	20 lbs (9 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: Operating Manual on CD

Optional: Printed Operating Manual; Data Cable; Sample Tubing

Manufactured by:

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Distributed by:

Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

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