



REMOTE 5104V PARTICLE COUNTER

Compatible with VHP, the **REMOTE 5104V** meets the stringent requirements of today's aseptic processing applications. In addition, the **REMOTE 5104V** was designed to operate in CLASS I DIV 2 hazardous environments found in many challenging applications.

The **REMOTE 5104V** uses a critical orifice and external vacuum source for flow control. Built-in flow monitoring assures accuracy and reliability of the sensor's performance.

With a sensitivity of 0.5 micron and a monitored flow rate of 1.0 CFM (28.3 LPM), the **REMOTE 5104V** provides real-time continuous data collection at a cost-effective price per point.

The **REMOTE 5104V** integrates seamlessly with large facility monitoring and building management systems. It transfers up to 4 channels of simultaneous particle count data using RS-485 Modbus.

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

Lighthouse is an ISO 9001:2008 Registered Company

www.golighthouse.com

Features:

- ★ VHP Compatible
- ★ Class I Division 2 Rating
- ★ Built-in Flow Monitoring
- ★ 0.5 - 5.0 μ m (optional channels up to 25 μ m)
- ★ 1.0 CFM (28.3 LPM) Flow Rate
- ★ Up to 4 Channels of Simultaneous Data
- ★ Meets ISO 21501-4 Standards
- ★ Real-time Continuous Monitoring
- ★ Small Size
- ★ 316L Stainless Steel, Wash Down Resistant/
Splash-Tight Enclosure
- ★ Status Indicators
- ★ RS-485 Modbus
- ★ Interfaces to Facility Monitoring Systems
- ★ Uses External Vacuum Source
- ★ Designed for Reliability
- ★ 2 Year Warranty
- ★ International Support

Benefits:

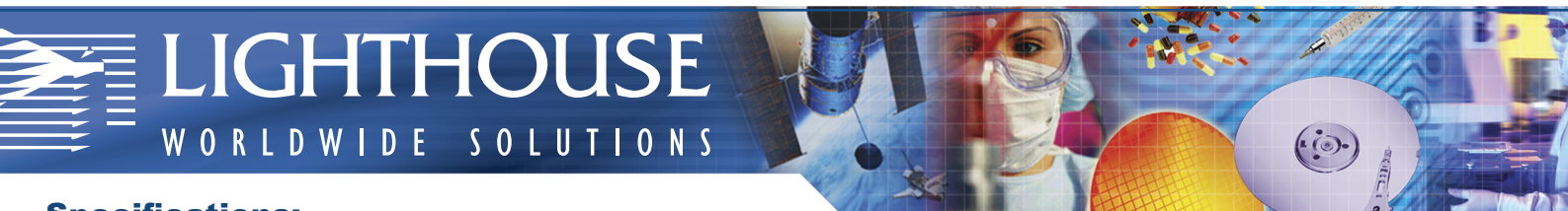
- ★ Versatile Mounting Options
- ★ Easy to Install when Space is an Issue
- ★ Cost Effective Price per Point
- ★ Proven Data Integrity
- ★ Simple Integration into FMS Systems
- ★ Low Cost of Ownership

Applications:

- ★ Glass Coating
- ★ Aseptic Processing
- ★ Isolators
- ★ Cleanrooms

Industries:

- ★ Aerospace Industry
- ★ Pharmaceutical Industry
- ★ Biotechnology
- ★ Medical Applications



Specifications:

Size Range:	0.5 - 25.0 μm
Channel Sizes:	Standard: 0.5, 5.0 μm Optional 4 Channels: 0.5, 1.0, 5.0, 25.0 μm
Counting Efficiency:	50% @ 0.5 μm ; 100% for particles > 0.75 μm (per ISO 21501-4)

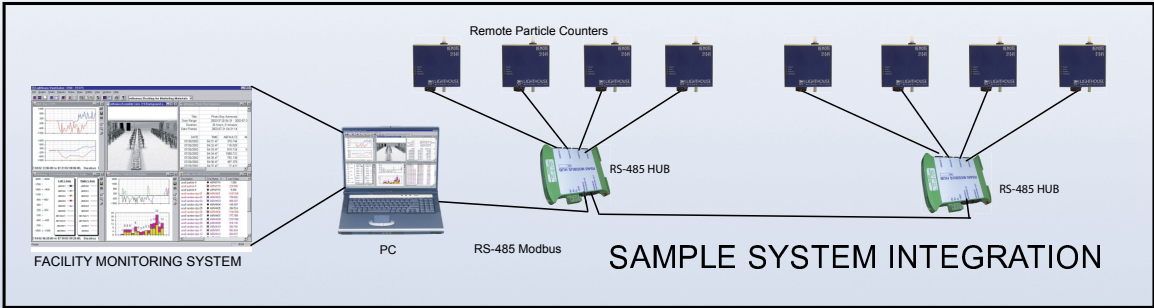
Flow Rate:	1.0 CFM (28.3 LPM)
Laser Source:	Laser Diode
Zero Count Level:	<1 count / 5 minutes (per ISO 21501-4)
Concentration Limits:	500,000 Particles/ft ³ @ 5% Coincidence Loss
Data Storage:	Rotating Buffer, 2000 Records
Calibration:	NIST Traceable
Vacuum Requirements:	External Vacuum > 18" (45.72) of Hg
Air Flow:	Internally Monitored
Communication Modes:	RS-485/MODBUS
LED Indicators:	Power, Flow, Service, Sampling
Connector:	Industrial RJ45
Supporting Software:	Lighthouse Monitoring System, LMS Express, LMS Express RT, LMS Net
Enclosure:	316L Stainless Steel, Wash Down Resistant/Splash-Tight
Power:	24 VDC
Dimensions:	4.2" (l) x 2.0" (w) x 3.7" (h) [10.7 x 5.08 x 9.398 cm]
Weight:	15.6 oz (0.44 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
Optional: Isokinetic Sampling Probe, Sample Tubing, Cabling, Purge Filter, RS-485 Hub



Manufactured by:
 **LIGHTHOUSE**
WORLDWIDE SOLUTIONS
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Distributed by:

