

# Remote5102V

## AIRBORNE PARTICLE COUNTER



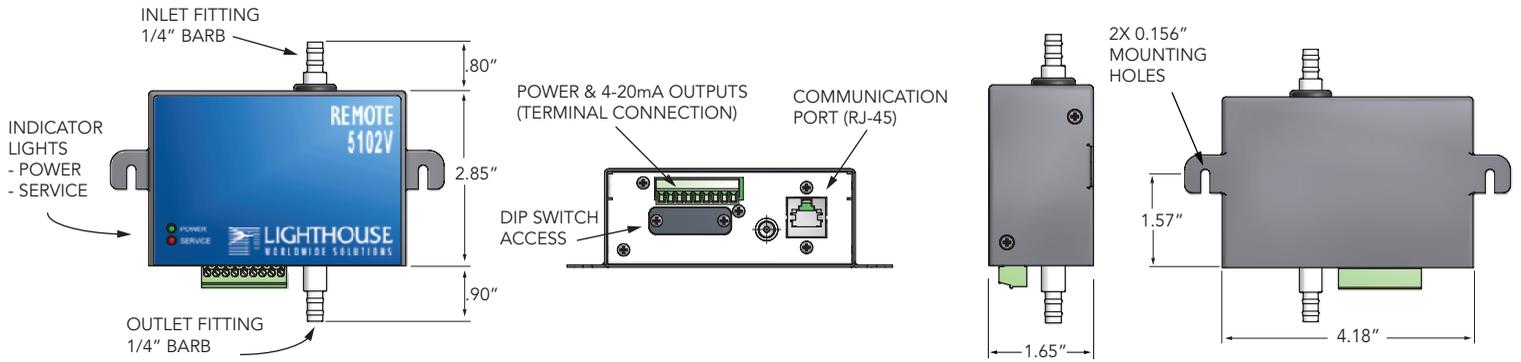
**C**OMPATIBLE with VHP, the Remote 5102V meets the stringent requirements of today's aseptic processing application. In addition the Remote 5102V was designed to operate in CLASS 1 DIV 2 hazardous environments found in many challenging applications.

The Remote 5102V 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  $\mu\text{m}$  and 1.0 CFM flow rate, the Remote 5102V provides real-time continuous data collection at a cost-effective price per point and integrates seamlessly with facility monitoring and building management systems.

### FEATURES

- Class I Division 2 Rating
- 0.5- 5.0  $\mu\text{m}$  (optional channels up to 25  $\mu\text{m}$ )
- 1.0 CFM (28.3 LPM) flow rate
- Up to 2 channels of simultaneous count data
- Meets ISO 21501-4 standards
- Real-time continuous monitoring
- 316L stainless steel, wash down splash tight enclosure
- Status indicators for power, flow, service, sampling
- 4-20mA communication
- Interfaces to facility monitoring systems
- Uses external vacuum source
- 2 year warranty.



## TECHNICAL DATASHEET

### Remote 5102V Remote Airborne Particle Counter

#### Features

<b>Size Range</b>	0.5 - 25.0 $\mu\text{m}$
<b>Standard 2 Channels (optional other channels)</b>	0.5, 5.0 $\mu\text{m}$ ; (0.5, 1.0, 5.0, 25.0 $\mu\text{m}$ )
<b>Counting Efficiency</b>	50% @ 0.5 $\mu\text{m}$ ; 100% for particles > 0.75 $\mu\text{m}$ per ISO 21501-4
<b>Flow Rate</b>	1.0 CFM (2.83 LPM)
<b>Laser Source</b>	Laser Diode
<b>Zero Count Level</b>	< 1 count / 5 minutes per ISO 21501-4
<b>Concentration Limits</b>	1,000,000 particles /ft <sup>3</sup> (34,300,000/m <sup>3</sup> ) @ 10% coincidence loss
<b>Calibration</b>	Meets ISO 21501-4 calibration using NIST traceable PSL spheres
<b>Vacuum Requirements</b>	External vacuum > 18" Hg (45.72 cm Hg)
<b>Communication Modes</b>	4-20mA communication
<b>LED Indicators</b>	Power, service
<b>Connector</b>	Industrial RJ-45
<b>Supporting Software</b>	LMS Express, LMS Express RT, LMS Pharma, LMS Pro.
<b>Enclosure</b>	316L stainless steel, wash down resistant, splash tight
<b>Power</b>	24 VDC, 0.75 amps
<b>Dimensions</b>	4.18" (l) x 1.65" (w) x 2.85" (h), [10.61 cm (l) x 4.19 cm (w) x 7.23 cm (h)]
<b>Weight</b>	17.3 oz (0.49 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

#### Included

Operating manual on CD, purge filter, power supply, power chord.

#### Optional

Isokinetic sampling probe, sample tubing, cabling.

#### Distributed By:



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

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