Incorporating the latest in laser optical particle counting technology, Lighthouse designed the REMOTE 2012, 3012 and 5012 for continuous trouble-free operation.

With a sensitivity of 0.2, 0.3 and 0.5 micron, respectively, at a flow rate of 0.1 CFM (2.83 LPM), the REMOTE 2012, 3012 and 5012 provide real-time continuous data collection at a cost-effective price per point.

Using an external vacuum source, these compact particle counters provide versatile mounting options and can be installed where space is at a premium.

The REMOTE 2012, 3012 and 5012 integrate seamlessly into large facility monitoring and management systems and transfer up to 2 channels of simultaneous particle count data using 4-20 mA output.

**Features:**
- REMOTE 2012: 0.2 - 2 μm
- REMOTE 3012: 0.3 - 25 μm
- REMOTE 5012: 0.5 - 25 μm
- 0.1 CFM (2.83 LPM) Flow Rate
- Up to 2 Channels of Simultaneous Data
- All Models Meet JIS Standards
- Compact Size
- Stainless Steel Enclosure
- Status Indicators
- Alarm Output
- 4-20 mA Output
- Facility Monitoring Systems Interface
- Versatile Mounting Options
- External Vacuum Source
- Designed for Reliability

**Benefits:**
- 2 Year Warranty
- Install in Limited Space
- Cost Effective Price per Point
- Proven Data Integrity
- Proven Reliability
- Continuous Real-Time Data
- Easy System Integration
- International Support
- Low Cost of Ownership

**Features:**
- Isokinetic Probe
- Barbed Vacuum Connector
- Stainless Steel Enclosure
- Status LEDs
- Screw Terminal Connector

**Remote 2012, 3012, 5012**

**Airborne Particle Counters**

Lighthouse is an ISO 9001:2000 Registered Company

www.golighthouse.com
Specifications:

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>3012</th>
<th>5012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Range:</td>
<td>0.2 - 2.0μm</td>
<td>0.3 - 25.0μm</td>
<td>0.5 - 25.0μm</td>
</tr>
<tr>
<td>Channel Sizes:</td>
<td>Standard: 0.2, 0.3μm&lt;br&gt;Standard: 0.2, 0.5μm</td>
<td>Standard: 0.3, 0.5μm&lt;br&gt;Standard: 0.3, 1.0μm&lt;br&gt;Standard: 0.3, 3.0μm</td>
<td>Standard: 0.5, 5.0μm&lt;br&gt;Standard: 0.5, 10.0μm</td>
</tr>
<tr>
<td>Counting Efficiency:</td>
<td>50% @ 0.2μm; 100% for particles &gt; 0.3μm (per JIS)</td>
<td>50% @ 0.3μm; 100% for particles &gt; 0.45μm (per JIS)</td>
<td>50% @ 0.5μm; 100% for particles &gt; 0.75μm (per JIS)</td>
</tr>
</tbody>
</table>

Additional channel sizes are available - please contact your Lighthouse Sales Engineer for information regarding these options.

Flow Rate: 0.1 CFM (2.83 LPM)
Laser Source: Laser Diode
Zero Count Level: <1 count / 5 minutes (per JIS)
Concentration Limits: 2,000,000 Particles / ft³ @ 5% Coincidence Loss
Calibration: NIST Traceable
Vacuum Requirements: External Vacuum >18” (45.72 cm) of Hg
Communication Modes: 4-20mA
LED Indicators: Power, Service
Connector: Screw Terminal
Supporting Software: Lighthouse Monitoring System
External Alarm Output: Normally Open (NO), Dry-contact, Rated 0-60 VDC/VAC, 1 Amp
Enclosure: Stainless Steel
Power: 24 VDC
Dimensions: 1.7”(l) x 4.2”(w) x 2.5”(h) [4.3 x 10.7 x 6.3 cm]
Weight: 0.78 lb (0.35 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: Printed Operating Manual; Isokinetic Sampling Probes; Vacuum Tubing; Sample Tubing; Data Cable; Purge Filter; Power Supply; High-Pressure Diffuser (not available for 2012); RS-232 Interface cable and adapter; USB to Serial Port Converter; REMOTE Mounting Bracket.