# Specifications for High Range Ceilometer

**NO SUBSTITUTION PROCUREMENT**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Specifications</th>
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| Vaisala CL51 High Range Ceilometer | User Defined Configurations  
|                           | Fully automatic 24/7 operation in all weather conditions  
|                           | Detection of Cirrus Clouds  
|                           | Power: 100 - 115VAC  
|                           | Back-up Battery: Internal, 2 Ah  
|                           | Operating Range: -55 - 60°C  
|                           | Specifications  
|                           |  
|                           | • Technical  
|                           | o Wavelength: 910 nm  
|                           | o Second-Generation Single Lens Optics  
|                           | o Laser: InGaAs diode  
|                           | o Cloud Reporting Range: 0 - 43,000 ft  
|                           | o Backscatter Profiling Range: 0- 49,200 ft  
|                           | o Reporting Resolution: 10m/30 ft, units selectable  
|                           | o Distance Measurement Accuracy: Greater of ±1% or ±5m  
|                           | o Temperature Range: -55 – 60°C  
|                           | o Humidity: 0 to 100% RH  
|                           | o Wind: 0 to 55 m/s  
|                           | o Vibration: Lloyds Register/IEC60068-2-6  
|                           |  
|                           | 5-13.2 Hz, ±1.0 mm  
|                           | 13.2 – 100 Hz, ±0.7 g  
|                           |  
|                           | • New System Installation Perpetual SW License  
|                           | • Air Quality Package with PC and Accessories  
|                           | • LAN (Ethernet)  
|                           | • Standard Delivery Packing  
|                           | • CL51 Standard Software  
|                           | • BLView™ Software  
|                           | • Product manuals on CD  
|                           | • Programmable reporting cycle  
|                           | • One-year warranty  
|                           | • Lifetime technical support  