

# WINDCUBE<sup>+</sup>

## Vertical Profiler Doppler LIDAR

PBL DYNAMICS

INDUSTRIAL SAFETY

FOG / SMOG MONITORING



**Leosphere**  
THE ATMOSPHERE IS YOURS

## PERFORMANCE

<b>Range</b>	40 to 290m*
<b>Data sampling rate</b>	1s
<b>Averaging time</b>	1 min, 2 min, 5 min, 10 min (user programmable)
<b>Number of programmable heights</b>	12 measured simultaneously
<b>Speed accuracy</b>	0.1 to 0.5 m/s
<b>Speed range</b>	0 to +60 m/s
<b>Direction accuracy</b>	2°

\* The measurement range may depend on atmospheric conditions

## HARDWARE AND ENVIRONMENTAL

<b>Dimensions</b>	L-W-H : 543 x 552 x 540 mm
<b>Weight</b>	45 kg
<b>Power consumption</b>	45 W nominal
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Temperature range -30°C to +45°C/-22°F to 108°F</li> <li>• Operating humidity: 0 to 100% RH (non-condensing)</li> <li>• Housing classification IP67 (for inner racks)</li> </ul>
<b>Safety</b>	Class 1M IEC / EN 60825-1
<b>Compliance</b>	CE

## SOFTWARE / DATA

<b>Data format</b>	ASCII
<b>Data storage</b>	SSD and compact flash (backup storage)
<b>Data transfer</b>	LAN / USB / 3G
<b>Software features</b>	<ul style="list-style-type: none"> <li>• Configuration and control</li> <li>• Real time display</li> <li>• Diagnostic</li> </ul>
<b>Output data</b>	<ul style="list-style-type: none"> <li>• 1s &amp; 1/2/5/10min horizontal &amp; vertical wind speed</li> <li>• Min &amp; Max</li> <li>• Turbulence</li> <li>• Direction</li> <li>• SNR Quality factor (data availability)</li> <li>• GPS coordinates</li> </ul>

- Ultra-portable (45kg) - 10 minute installation
- Unattended remote operation
- Unmatched reliability and data availability
- Industrial track record with over 400 units in operation

