CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

SkyVuePRO
LIDAR Ceilometer



10 km Ceiling LIDAR Ceilometer

Cloud measurement with advanced signal processing

Overview

The SkyVue™PRO LIDAR Ceilometer measures cloud height and vertical visibility for meteorological and aviation applications and is ideal for long-term research applications where a high level of detail is required.

Its robust construction is ideal for long-term installation, as it requires minimal maintenance and features a unique stratocumulus calibration procedure—allowing the ceilometer to be calibrated in the field.

The SkyVue PRO complies with CAA, WMO, and ICAO guidance and meets or exceeds all recommendations and specifications, including CAP437, CAP670, and CAP746.

With an operational reporting range of 10 km, the SkyVue PRO is easy to use yet boasts advanced signal processing and unique optical arrangements to provide superior resolution and performance.

The SkyVue PRO has many standard features, from a tilting base and two-axis inclinometer for automatic correction of cloud heights to heaters, blowers, and a sun filter for operation under all conditions—making deployments possible around the world.

Unique standard features include an easy-to-operate stratocumulus calibration, long-life back-up battery, and twin clocks to augment its many continuous diagnostic self-checks and provide assurance of continuous, reliable, and accurate performance.

Benefits and Features

- Single-lens design for high signal-to-noise ratio and maximized detector sensitivity, resulting in greater performance at low and high altitudes
- High performance and high specification at a competitive price
- Tilt angles to 24°, improving performance during precipitation events and reducing impact of solar glare
- Unique continuous comparison of two separate internal quartz clocks to ensure measurement confidence
- Mixing layer height assessment option for air-quality applications
- User-friendly stratocumulus calibration capability and easy test with a calibrator plate provided as standard for easy field calibration