

CLOUDY SKIES CLEAR DECISIONS

Introducing the
SkyVUE™ Ceilometer Range



The Campbell Scientific SkyVUE™ Ceilometer Range uses LIDAR technology to measure cloud height, vertical visibility and mixing layer height. The SkyVUE™ range complies with ICAO, CAA and WMO guidance and meets or exceeds all recommendations and specifications (including ICAO 9837, ICAO Annex 3, CAP437 and CAP746).

SkyVUE™ Ceilometer Range

Boasting a range of unique features, SkyVUE™ ceilometers offer exceptional performance across aviation, research and meteorological applications globally.

The SkyVUE™ range can output up to 4 base layer heights and cloud coverage in octas.

A unique single lens design increases optical signal-to-noise ratio improving accuracy and measurement performance across the ceilometer range. This approach, along with state-of-the-art electronics, provides a powerful and stable platform from which to measure cloud height and vertical visibility to high accuracy.

Standard features

SkyVUE™ ceilometers feature blowers and heaters as standard, whilst a modular design allows for easy on-site repair and component swap out. A suite of self-diagnostic tools and simple maintenance requirements ensure minimum downtime.

Multiple tilt angles

Multiple tilt angles of up to 24° allows the ceilometer to resist high levels of reflection from large raindrops and frozen particles that can impair vertical type sensors. The tilt feature also allows operation anywhere in the world without the sun shining into the lens and resulting in missing data.

Automatic correction

An internal 2-axis inclinometer provides automatic correction of cloud height at all angles, ensuring ease of installation and confidence that cloud heights are automatically corrected throughout the lifetime of the installation.

SkyVUE™PRO

The SkyVUE™PRO is ideal for long term research applications where a high level of detail is required.

With a reporting range of up to 10 km, the SkyVUE™PRO also features an automated Mixing Layer Height (MLH) option for air quality applications. The algorithm runs within the SkyVUE™PRO itself, and the results are incorporated in data messages, making it easy to integrate the MLH into existing data systems without the need to run external special software.

- Reporting range 0 to 10 km (0 to 32,800 ft)
- Provides cloud height, sky condition (up to five layers), vertical visibility and raw backscatter profiles
- Integrated blower and heater as standard
- MLH option available



SkyVUE™8

The SkyVUE™8 is ideal for airports, helipads (on or offshore) and meteorological applications and features a reporting range of up to 8 km.

Complete with heaters blowers and sun filters as standard, the SkyVUE™8 is robust and requires minimal maintenance, whilst continuous diagnostic self-checks provide assurance of ongoing, reliable and accurate performance.

- Reporting range 0 to 8 km (0 to 26,250 ft)
- Low weight, compact and rugged design
- Auto voltage selection and 7AH back-up battery



SkyVUE™8M

The SkyVUE™8M is a ceilometer created for quick tactical deployment (for permanent or temporary installation) across military or civilian applications.

Boasting a reporting range of up to 8 km, its robust construction requires minimal maintenance and enables continuous use and multiple deployments in the harshest of environments. Designed to be easily portable, and quick to setup, the SkyVUE™8M has unique quick deploy stabilising legs, low weight, compact design and a range of finishes.

- Reporting range 0 to 8 km (0 to 26,250 ft)
- Low voltage
- Quick deploy stabilising legs
- Low weight, easily portable
- Multiple camouflage options with shroud





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