



Laser Ceilometer S9308

- Measurement range from 0 to 25,000 feet (0 to 7.5 km)
- Vertical visibility and cloud detection during precipitation
- Detection of thin cloud layers below a solid cloud base
 - Self diagnostics with fault analysis

This ceilometer model has a unique single lens design, making it lighter, more reliable and easier to maintain. The heater/blower window conditioner ensures performance in all specified environmental conditions, and under all precipitation types. It also significantly reduces the need for operator maintenance in the field.

Cloud height of up to 7.5 kms (25,000 feet) and coverage (5 cloud layers / 0 to 8 octas range) are detected by the sensor using pulsed diode laser Light Detection and Ranging (LIDAR) technology. The vertical visibility can be reported when the cloud base is obscured. Special tilt sensors automatically compensate for vertical height measurement.

The cloud cover (amount) is reported in 0 to 8 octals, according to the WMO (World Meteorological Organization) regulations.

The cloud height/vertical visibility accuracy is within 50 feet in a range of up to 25,000 feet. In addition to reporting the standard four layers of cloud, the system reports fifth layers in the remark fields of the METAR report.





Technical Specifications

S9308

Range:	0 to 25,000 feet (0 to 7.5 km)
Accuracy:	±2% ±25feet
Resolution:	50 feet
Number of Layers:	Up to 5
Lens Heater Blower:	Included
Operating Temperature:	-50°C to +60°C (-58°F to +140°F)

PHYSICAL

Dimensions:	Measurement unit (max.) 710 x 316 x 256 mm (28 x 12 x 10 in.)
Weight:	Measurement unit 14 kg (32 lb)
Laser Safety:	Class 1 laser product (eye-safe), Class 1M (IEC/EN 60825-1)