



Visibility S80004-A

- **Forward-scatter measurement**
- **Lightweight, compact design**

This Present Weather Detector sensor uses the proven forward-scatter measurement principle to measure Meteorological Optical Range (MOR). The visibility sensor is well-protected against contamination: the optical components point downwards and hoods protect the lenses against precipitation, spray, and dust. The weatherproof design provides accurate measurement results and reduces the need for maintenance.

The measurement range is 10 to 20,000 meters: long-range visibility measurement for diverse applications, including: harbors, coastal areas, heliports, windmill parks, or any location where visibility measurement is necessary.

This sensor is less than one meter long, compact, and lightweight. They can be mounted in many ways on any existing mast.





Technical Specifications

S80004-A

TECHNICAL SPECIFICATIONS

Visibility

Operating Principle:	Forward-Scatter Measurement
Measurement Range (MOR):	10 to 20,000 m (32 to 65,600 ft)
Accuracy:	+/- 10%, range 10 to 10,000 m +/- 15%, range 10 to 20 km

Electrical

Power Consumption:	3 W (electronics with dew heaters @ 12 VDC)
Options:	2 W (luminance sensor with dew heater)
Outputs:	RS-232, RS-485

Environmental

Operating Temperature:	-40 to +60°C
Operating Humidity:	0 to 100% RH
Protection Class:	IP66

PHYSICAL

Dimensions:	40.4 cm (w) x 69.5 cm (l) x 19.9 cm (h) 15.91 in (w) x 27.36 in (l) x 7.83 in (h)
Weight:	3 kg (6.61 lb)