



## Visibility Sensor S80202

- **Low Power Consumption** •
  - **20ft-50 mile Range** •
  - **High Accuracy** •
  - **Hooded Heater**•

This Visibility Sensor is designed to monitor visibility conditions over a range of 20ft-50miles (6m-80km). The Model includes both digital and relay outputs. Digital RS232 output at 300-38,400 Baud can be used to indicate the present visibility, provide diagnostic information, and provide access to the configuration and calibration options. The SPDT relay with configurable pull in and drop out set points can provide signals to a VMS or other optional user system.





## Technical Specifications

**S80202**

Visibility Range: 20 ft to 50 miles (6 m to 80 km)  
Accuracy: +/- - 10%  
Scatter Angle 42° nominal

Digital I/O: RS232/422 Full Duplex, User selectable BAUD rate  
(150,300,1200,2400,4800,9600,19200, 38400 BAUD), no parity, 8 data bits, one stop bit

### Dimensions:

Visibility Sensor: 57" w x 14" h x 15" D

Mast Diameter: 1 1/2 to 3 1/2 inches (38 to 89mm)

Weight: 19.3 lbs (8.75 Kg)

Temperature Range Visibility Detection: -40°F to +130°F (-40°C to +55°C)

Humidity: 0 to 100 % relative humidity

Power Requirements: +12 VDC  
12 Watts nominal

With hood heaters: 25 watts additional