



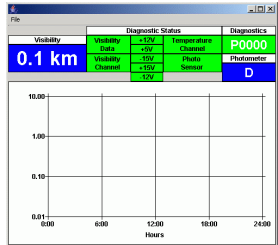
# Sentry™ Visibility Sensor

## Options & Accessories

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P/N & Name	Accessory/Option Description		
P/N 20004 Calibration Fixture	Used during installation and maintenance of the sensor. Contains all items required to field calibrate the Sentry™ in a foam-lined attaché style carrying case. When installed on the sensor frame, it allows a known amount of light to be scattered from the transmitter to the receiver. One Calibration Fixture can be used on several Sentry™ Visibility Sensors.		<b>A &amp; M</b>
P/N 30003-xxx Output Option Board  <i>“Add “-O” to Sentry Model Number &amp; list this P/N as a separate line item”</i>	Provides the user with a range of analog output options. User may select one or more output options: <ul style="list-style-type: none"> <li>• “-A” Standard 4-20 ma current loop option with single-ended configuration. Operates over loop resistance up to 500 ohms.</li> <li>• “-B” Isolated 4-20 ma current loop option for installations prone to ground loops. Operates over loop resistance up to 500 ohms.</li> <li>• “-C” Control relay output with user selectable activate/deactivate set points. SPDT relay provides NO &amp; NC dry contacts rated for 100 VDC @ 0.25A.</li> <li>• “-D” Diagnostic relay output provides remote indication of sensor status. SPDT relay provides NO &amp; NC dry contacts rated for 100 VDC @ 0.25A.</li> </ul>		<b>A</b>
P/N 30005-xxx Output Option Board  <i>“Add “-O” to Sentry Model Number &amp; list this P/N as a separate line item”</i>	Provides the user with a 2 control relays & 1 diagnostic relay output. With 2 control relays, the user may automatically detect 3 levels of visibility (high, marginal, low for instance). User may select one or more output options: <ul style="list-style-type: none"> <li>• “-C” Control relay output #1 with user selectable activate/deactivate set points. SPDT relay provides NO &amp; NC dry contacts rated for 100 VDC @ 0.25A.</li> <li>• “-D” Diagnostic relay output provides remote indication of sensor status. SPDT relay provides NO &amp; NC dry contacts rated for 100 VDC @ 0.25A.</li> <li>• “-E” Control relay output #2 with user selectable activate/deactivate set points. SPDT relay provides NO &amp; NC dry contacts rated for 100 VDC @ 0.25A.</li> </ul>		<b>A</b>
<i>“Add “-H” to Sentry Model Number”</i>	External hood heaters help prevent blowing snow from clogging optics. The heaters are 25 W each for AC powered sensors and 6 W each for 12 VDC powered sensors. Thermostatically controlled to turn on at ~3° C and off at ~ 8° C.		<b>A &amp; M</b>
<i>“Add “-P” to Sentry Model Number”</i>	Sensor mounting flange for 1-inch IPS pipe with maximum OD of 1.3 inches (33 mm).		<b>A &amp; M</b>
P/N 70009 AC Power Cable	3-prong molded plug, 18 AWG, SJT Type, CEE color code, 3-m (10 ft).		<b>A &amp; M</b>
P/N 70010-xx Signal Cable	Optional twisted shielded pair cable, 22 AWG PVC jacket where “xx” is the length in meters. Max 30 m (100 ft).		<b>A &amp; M</b>
P/N 70011-xx DC Power Cable	Optional single pair twisted shielded pair cable, 22 AWG, PVC jacket where “xx” is the length in meters. Max 15 m (50 ft).		<b>A &amp; M</b>

# Sentry™ Visibility Sensor Options & Accessories

P/N & Name	Description / Applicability	
P/N 30013-xxx Microprocessor Board  <i>"Add "-M" to Sentry Model Number &amp; list this P/N as a separate line item"</i>	Provides the Sentry™ with a powerful microprocessor to perform user selected averaging, alarms, units of measure, calibration, etc. User may select one or more output options from the list below: <ul style="list-style-type: none"> <li>• "-A" Serial ASCII RS-232 interface for distances up to 100 feet</li> <li>• "-B" Serial ASCII RS-422 interface for distances up to 4000 feet</li> <li>• "-C" Control relay output with user selectable activate/deactivate set points. SPDT relay provides NO &amp; NC dry contacts rated for 100 VDC @ 0.25A</li> <li>• "-D" Diagnostic relay output provides remote indication of sensor status. SPDT relay provides NO &amp; NC dry contacts rated for 100 VDC @ 0.25A</li> <li>• "-E" Analog output provides linear 0-5 VDC output over the selected visibility range</li> <li>• "-F" Serial ASCII Multidrop Addressable RS-485 interface for distances up to 4000 feet</li> </ul>	
P/N 20007 Photometer	Used to determine day/night condition for airport weather systems. Sentry™ switches between Koschmeider's Law (Day) and Allard's Law (Night) when this option is used. Outputs ambient light intensity in LUX as well as "D" for day and "N" for night. A low wattage heater on the inside of the window keeps dew from forming on the optics and an external hood reduces stray light. Adjustable mount installs on the mounting pole just below the Sentry™ sensor. <i>Separate brochure available.</i>	
P/N 30023 Serial RS-232 Test Cable	Serial cable connects from local RJ11 jack on Microprocessor PCB to DB9 connector on user Laptop. Used for sensor set-up and calibration using the local port. 4-m (13 ft) long.	
P/N 30026-xxx Serial RS-232 Cable	Optional twisted shielded pair cable, 22 AWG PVC jacket where "xx" is the length in meters. Max 30 m (100 ft). Complete with DB9 Connector on one end.	
P/N 30025 SentryView GUI	Graphical user interface runs on user PC to automatically collect, archive, and display visibility data in textual & graphical form. Incoming serial ASCII data is time stamped using the PC clock and archived in a daily file for post processing. A daily graph of measured visibility is displayed over the full range of the Sentry™. <i>Separate brochure available.</i>	

**Note - Accessories & options applicable as follows:**

**A** = Analog sensor only    
 **M** = Microprocessor sensor only    
 **A & M** = Both Analog and Microprocessor sensor