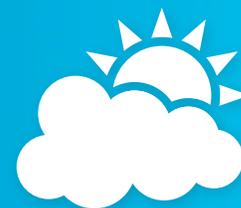


# Lightning Detector LD-250M



Puts a live lightning map on your laptop or desktop computer. Within milli-seconds of a lightning strike the detector beeps and your computer displays the strike location. Warns of both close and severe thunderstorms. If a storm is detected closer than a preset distance or the strike rate exceeds a preset limit, the LD-250 sounds its internal alarm and activates the computers alarm tone or WAV file notification.

## Features

- ▶ Basic installation instructions for the lightning sensor are printed on the top of the unit to aid in deployment.
- ▶ Rugged die-cast aluminum enclosure
- ▶ Rugged MIL spec connectors
- ▶ Rugged aluminum front panel pushbuttons
- ▶ Receiver and antenna are waterproof to IP67 standards.
- ▶ Two built-in alarms: a Close Storm Alarm and a SevereStorm Alarm.
- ▶ Close Storm Alarm activates if a thunderstorm is detected closer than a preset distance. The Severe Storm Alarm activates if the number of lightning strikes per minute exceeds a preset limit.
- ▶ Soounds an alarm when either alarm activates. Front panel push buttons allow both the Strike tone and Alarm tones to be disabled.
- ▶ The computer can also be configured to sound an alarm and/or pop up a notification window when an alarm activates.
- ▶ Alarm status indicated by the color of the Close Storm distance circle & Severe Storm status indicator in the top left corner of the map window.
- ▶ Strike rates, both Close Strikes / Minute and Total Strikes / Minute are shown for the previous hour on the Strike RateTrend Graph letting you easily see if storms are increasing in severity or dying off.
- ▶ Noise indicator shows if local interference is affecting the ability to detect far away lightning.
- ▶ Strike rates, both Close Strikes/Minute and Total Strikes/Minute are shown for the previous hour on the Strike RateTrend Graph that indicates if storms are increasing in severity or dying off.
- ▶ A custom vector map allows zooming into any region. Zoom out to the maximum range of 750 miles (1500 miles across) or zoom in to 15 miles .



## SPECIFICATIONS

*Specifications subject to change without notice*

<b>LD-250 Voltage</b>	11.8-16VDC, 0.8 Amp
<b>AC Adapter (North America)</b>	100-240VAC, 50-60Hz. Approvals: UL, ULC
<b>RS232 Port</b>	9600 baud, 8 bits, 1 stop bit, no parity
<b>USB Adapter Cable</b>	Windows 7,Vista, XP, 2000, NT, 98, 95
<b>Antenna</b>	Standard Antenna (StormTracker compatible)
<b>Antenna Cable</b>	Standard CAT5 Network Cable. 50 ft. included. Custom lengths available.
<b>GPS/Compass Port</b>	NMEA standard 4800 baud, 8 data bits, 1 stop bit, no parity
<b>GPS Sentence</b>	\$GPRMC
<b>Compass Sentence</b>	\$HCHDM
<b>RS232 Data Format</b>	ASCII, NMEA style data sentences, GPS/Compass data passed through
<b>LD-250 Dimensions</b>	4.9"x 7.0"x 1.1" (123mm x 178mm x 29mm)
<b>Antenna Dimensions</b>	1.5"x2.0"x3.7" 38mm x 51mmx 94 mm
<b>Weight</b>	0.8 lbs (375 gm)
<b>Shipping Weight</b>	5.6 lbs (2.6kg)
<b>Shipping Dimensions</b>	9.0"x 11.5"x 6.5" 229mmx 292mm x 165 mm
<b>Software</b>	
<b>Provided with unit</b>	Astrogenic NexStorm-Lite
<b>Operating Systems</b>	Windows 7 (32/64 bit), Vista (32/64 bit), 2000, XP, 98, 95, NTCOM7 & Vista (64 bit) requires optional USB-1 USB Adapter Cable
<b>Ports Supported</b>	COM1-COM8
<b>Display Resolution</b>	15 to 750 miles (15 mile increments; 24 km)
<b>Severe Storm Alarm Setpoint</b>	0-999 Strikes / Minute
<b>Detection Range:</b>	0-300mi (0-480km) 0-360°
<b>Accuracy</b>	Increases as more lightning strikes the same area.

## ORDERING

<b>5600-LD250M</b>	Lightning Detector
<b>ACCESSORIES INCLUDED:</b>	
	Lightning Detector Antenna
	50 ft. (30m) Extension Cable, USB Cable & RS232 Cable
	Universal 100-240 VAC PowerSupply
	NexStorm Lite Software
	User Manual