

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

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

ORDERING

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