



Boltek LD-250 Mobile Long Range Lightning Detector

Product Images



Short Description

Long distance lightning detection for home, office, vehicle, or boat.

The LD-250 puts a live-action lightning display on your computer screen, showing storm activity up to 300 miles in all directions from your location so you can track position, speed, and direction. With optional GPS or Fluxgate compass, you can use the LD-250 to chase or avoid the storm in your vehicle, or boat.

Key Features

- Designed for mobile use in a moving vehicle with a GPS or Compass connected
- Track storm movement
- User set alarms for close storm or severe storm alerts
- Portable and can be connected to Desktop or Laptop USB or Serial COM port
- Display software is compatible with all current Windows operating systems.

Description

The LD-250 puts a live-action lightning display on your computer screen, showing storm activity up to 300 miles in all directions from your location so you can track position, speed, and direction. With optional GPS or Fluxgate compass, you can use the LD-250 to chase or avoid the storm in your car, truck, or boat.

A self contained device, the LD-250 is constantly seeking lightning strikes even if the computer is turned off. An audible alarm and blinking light will alert you to turn the computer on and receive full data whenever strikes are detected. Front panel lights and audible alarms also indicate when storms are close, severe, or both, according to standards determined by the user. Your computer can be set to sound an alarm or show a pop-up window to indicate close or severe storms. Alarm tones can be disabled.

LD-250 data is live! You are actually detecting the lightning strikes themselves. There are no on-line or recurring charges of any kind.

The LD-250's antenna is a small black box that can be mounted indoors in a wood framed structure, outdoors using the optional ENC-1 outdoor enclosure or on your vehicle using the ENC-2 mag-mount enclosure.

Additional Information

Promotion	Prices can fluctuate Call for latest pricing
Brand	Boltek
Country of Manufacture	Canada
Contents	LD-250 Receiver ANT-2 Lightning Sensor 50 feet (15m) of Antenna Cable (Cat6 Direct Burial) 220V AC Power Supply 12VDC Automobile Power Cord USB-RS232 Adapter Cable DB9 Serial Cable GPS/Compass Connector to Pigtail Cable NexStorm-Lite Lightning Display Software User Manual
Explanation	<p>The Boltek LD-250 Lightning Detector puts a live lightning map on your laptop or desktop computer. Within milliseconds of a lightning strike the detector beeps and your computer displays the strike location. The LD-250's direction-finding antenna measures lightning strike direction while the LD-250's receiver estimates distance from received signal strength. Advanced signal processing in software improves distance accuracy, reducing the effects of strike-to-strike variations in strike energy.</p> <ul style="list-style-type: none"> • Mobile, standalone lightning detector with PC and GPS connectivity. • Detect if lightning is in your area. • Receive early warning of approaching or developing storms. • Configurable Severe Storm and Close Storm Alarms. • Determine from which direction the approaching storm is coming. • Follow developing and decaying storms from first strike to last. • Save all data for future analysis. <p>LD-250 lightning data is live! Your computer beeps and displays the strike within milliseconds of the strike happening! With the LD-250 Lightning Detector you are actually detecting the lightning strikes themselves. There are no on-line or recurring charges of any kind.</p> <p>The LD-250 connects to your computer's USB or RS232 (COM) port making it suitable for use with both laptop and desktop computers. The LD-250 will even detect lightning when your computer is turned off. When the LD-250 starts beeping or the Strike light starts flashing you can turn on your computer to see where the storms are located.</p> <p>LD-250 Lightning Detector has two built-in alarms: a Close Storm Alarm and a Severe Storm Alarm. The Close Storm Alarm will activate 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. The LD-250 will sound an alarm tone when either alarm activates and activates the computers alarm tone or WAV file notification. Both the Close Storm and Severe Storm alarm statuses are indicated on the LD-250's front panel. Front panel pushbuttons allow both the Strike tone and Alarm tones to be disabled.</p> <p>Strike rates, both Close Strikes / Minute and Total Strikes / Minute are shown for the previous hour on the Strike Rate Trend Graph letting you easily see if storms are increasing in severity or dying off.</p> <p>There are 3 display ranges, 100, 200 and 300 miles (160, 320 and 480 km) allowing you to zoom into the region of interest. Zoom out to the maximum range of 300 miles (600 miles across) or zoom in to 100 miles to see only the nearby storms.</p> <p>Connect your GPS or marine compass to your LD-250 and track lightning from your car, truck or boat.</p> <p>Turn on the LD-250's heading indicator when running mobile. The blue triangle in the centre of the screen rotates as your vehicle turns to show the LD-250 is using your GPS or marine compass to correct for changes in your vehicle's direction.</p> <p>The LD-250 uses a small active antenna to receive the radio signals from lightning strikes. These signals are the crackling you hear on an AM radio during a thunderstorm. The direction-finding antenna is able to tell which direction the signal is coming from. The software measures the strength of the received signals to estimate distance. Special signal processing in software reduces the effects of strike-to-strike energy variations providing more accurate distance information.</p> <p>The antenna may be mounted indoors (in a wood framed house for example) or outdoors. For mobile installations it is mounted outside on the roof of the vehicle.</p> <p>LD-250 Hardware Specifications:</p> <ul style="list-style-type: none"> • Power Supply Voltage: 11.8-18 VDC, 0.8 Amp • AC Adapter: 120 VAC, 60Hz (220VAC 50 HZ in Europe) • RS232 Port: 9600 baud, 8 bits, 1 stop bit, no parity. • USB Adapter Cable • LD-250 Dimensions: 123 x 178 x 29 mm • LD-250 Weight: 375 gm • Antenna: • Standard Boltek Lightning Detector Antenna (StormTracker compatible) • Antenna Cable: standard CAT5 Network Cable. 50 feet included. • Antenna Dimensions: 38 x 51 x 94 mm • Antenna Weight: 200 gm • GPS/Compass Port: NMEA standard 4800 baud, 8 data bits, 1 stop bit, no parity • Operating Systems: Windows 2000, XP, 98, 95, NT 4.0 and 3.1 • COM Ports Supported: COM1, COM2, COM3, COM4 • Display Ranges: 100, 200 and 300 miles (160, 320 and 480 km) • Severe Storm Alarm Setpoint: 0-999 Strikes / Minute • Close Alarm Setpoint: 0-300 miles
Ideal For	Professional, Education, Amateur, Interested
Typical applications	Environmental (Outdoor), Field Research, Weather Monitoring
Power	Mains power (AC Power Supply & 12VDC Automobile Power Cable included)