



Boltek LD-350 Long Range Lightning Detector

Product Images



Short Description

The LD350 Lightning Detector detects lightning strikes up to 300 miles away and plots them in real time on a map of your area. Connects to either a desktop or laptop using an available USB port, or it can be used as a stand-alone lightning network detector.

Key Features

- Long Range detection up to 300 miles (480km) away
- Differentiates between cloud-cloud and cloud-ground lightning strikes
- User configurable alarms
- Internal beeper can easily be enabled/disabled
- USB plug and play device allows for easy PC/Laptop connection
- Software is compatible with all current Windows O/S
- No online or recurring fees
- One year parts & labour manufacturers warranty.

Description

The Boltek LD350 Lightning Detector sends data through USB port and the software can display the different strike types (Cloud to ground, cloud to cloud). The LD350 has a timestamp option available to connect multiple detectors on a network for higher accuracy strike location. The LD350 does not have the ability to connect a Garmin GPS for tracking lightning while driving.

The LD-350 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-350's direction-finding antenna measures lightning strike direction while the LD-350'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.

The LD-350 can warn 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-350 sounds its internal alarm and activates the computers alarm tone or WAV file notification. Both the Close Storm and Severe Storm alarm statuses are indicated on the LD-350's front panel.

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 out.

Multiple display ranges allow you to zoom into the region of interest. Zoom out to the maximum range of 750 miles (1200 kms) or zoom in as close as 16 miles to view only the nearby storms

LD-350 lightning data is live! Your computer beeps and displays the strike within milliseconds of the strike happening! With the LD-350 Lightning Detector you are actually detecting the lightning strikes themselves. There are no on-line or recurring charges of any kind.

LD-350 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-350 will sound an alarm tone when either alarm activates. Front panel pushbuttons allow both the Strike tone and Alarm tones to be disabled.

The computer can also be configured to sound an alarm tone and/or pop up a notification window when an alarm activates. Alarm status is indicated by the color of the Close Storm distance circle and Severe Storm status indicator in the top left corner of the map window.

Additional Information

Promotion	Prices can fluctuate Call for latest pricing
Brand	Boltek
Country of Manufacture	Canada
Contents	LD-350 Receiver ANT-2 Lightning Sensor 50 feet (15m) of Antenna Cable (Cat6 Direct Burial) 120V/220V AC Power Supply USB Cable NexStorm-Lite Lightning Display Software User Manual

Explanation

The Boltek LD-350 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-350's direction-finding antenna measures lightning strike direction while the LD-350'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.

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Three display ranges, 100, 200 and 300 miles (160, 320 and 480 km) allow 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.

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The LD-350 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.

The antenna may be mounted indoors (in a wood framed house) or outdoors.

Ideal For	Professional, Education
Typical applications	Environmental (Outdoor), Field Research, Weather Monitoring
Power	Mains power (AC Power Supply included)