



Model 54000 SNOdar Snow Depth Sensor

The SNOdar is a highly accurate, reliable snow depth sensor designed to deliver real-time data—even in the middle of a snowstorm. Its mobile app makes setup effortless while providing instant access to live snow depth measurements from anywhere in the world.

SNOdar is one of the only snow depth sensors that utilizes LIDAR (Light Detection and Ranging) technology to provide accurate snow depth measurements. This high-precision method allows the SNOdar to create detailed, real-time snow depth data, ensuring reliable and efficient snow monitoring

for a variety of applications.



Features

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The SNOdar can output data via RS-232 or SDI-12 to a range commercially of available data loggers. It also features an internal, non-volatile data logger capable of storing an entire season's worth of data, eliminating the need for separate data loggers for each sensorresulting in significant cost savings during deployment. Its compact, lightweight design is built to withstand frigid temperatures while consuming very little energy.

Specifications

Durability

Input Voltage:	6 - 24 Volts
Operating Temperature:	-40 - 60°C
Storage Temperature:	
Mechanical Vibration:	
Mechanical Shock:	500G MIL-STD-883D
Ingress Protection:	IP67
Corrosion Resistance:	Type III: MIL-A-8625

Measurements

Accuracy: +/-1 - +/-2 cm Resolution: 0.3 - 1 cm Range: 0.09 - 9 m Measurement Interval: 1 - 60 mins

Power Usage

Current Consumption: 0.03 - 0.26 amps Power Consumption: 0.42 - 3.24 watts Avg Power Consumption: 0.5 watts

Dimensions

Weight: 265 - 375 grams Size: 6.3 x 6.3 x 9.5 cm

ESD Ratings

Human-Body Model: +/-2500V Charged-Device Model: +/-1000V

Applications

- SNOTEL Snow Monitoring
- Stormboard Snow Measurement
- Avalanche Monitoring & Forecasting
- DOT Road Conditions
- Ski Resort Snow Monitoring
- Scientific Snow Monitoring

Ordering Information

SNOdar Snow Depth Sensor 54000

Backed by a 1-year warranty.

CE Complies with applicable CE directives.



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Real-time, accurate data during storms

SDI-12 data logger & RS-232 output

Includes clamp and 10-meter cable

Sensor orientation monitoring

Seasonal internal data logger

Snow depth (compaction)

New snowfall

Seasonal snowfall

User-friendly app for setup and live data Bluetooth Low Energy (BLE) enabled

Optional estimated SWE (Snow Water Equivalent)

Oblique or normal angle mounting on tower

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