

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.





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.

## **Features**

- Real-time, accurate data during storms
- User-friendly app for setup and live data
- Bluetooth Low Energy (BLE) enabled
- Seasonal internal data logger
- Snow depth (compaction)
- New snowfall
- Seasonal snowfall
- Optional estimated SWE (Snow Water Equivalent)
- SDI-12 data logger & RS-232 output
- Sensor orientation monitoring
- Oblique or normal angle mounting on tower

# **Specifications**

## Durability

**Input Voltage:** 6 - 24 Volts **Operating Temperature:** -40 - 60°C **Storage Temperature:** -40 - 85°C **Mechanical Vibration: 20G** Mechanical Shock: 500G

**Ingress Protection: IP67** 

Corrosion Resistance: Type III: MIL-A-86

#### Measurements

**Accuracy:** +/-1 - +/-2cm Resolution: 0.2 - 0.5cm **Range:** 0.09 - 9m

Measurement Interval: 1 - 60 mins

## **Power Usage**

**Current Consumption:** 0.04 - 0.27 amps Power Consumption: 0.48 - 3.24 watts Avg Power Consumption: 0.5 watts

#### **Dimensions**

Weight: 380 grams **Size:** 6.4 x 6.4 x 10.2cm

### **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 SNOdar Snow Depth Sensor ...... 54200 with eSWE (estimated Snow Water Equivalent)

Backed by a 1-year warranty.



Complies with applicable CE directives.



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