



# 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
<b>Operating Temperature:</b>	-40 - 60°C
Storage Temperature:	
Mechanical Vibration:	
Mechanical Shock:	500G MIL-STD-883D
Ingress Protection:	IP67
<b>Corrosion Resistance:</b>	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.



**R.M. Young Company** 2801 Aero Park Drive Traverse City, Michigan 49686 USA Tel: (231) 946-3980 Fax: (231) 946-4772 Email: met.sales@youngusa.com Web: www.youngusa.com

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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