



## Snow Depth Sensor (SDI-SR50A)

The SDI-SR50A is a rugged acoustic sensor for measuring the distance from the sensor to a target. It is typically used to measure snow depth. It uses a multiple echo processing algorithm to help ensure measurement reliability.



### Technical Specifications

Measurement time:	< 1.0s
Interface:	SDI-12 v.1.3
Operating voltage:	9 VDC to 18 VDC
Measurement range:	0.5m to 10 m (1.6ft to 32.8ft)
Beam acceptance:	~30°
Resolution:	0.25mm (0.01in)
Accuracy:	±1cm (±0.4in) or 0.4% of distance to target (whichever is greatest); requires external temperature compensation
Operating temperature:	-45°C to +50°C
Dimensions:	10.1cm x 7.5cm (4" x 3")
Weight:	1.0kg (2.2lbs)