Snow Depth Sensor

Model: SEN-SD

Description:

Continuous and contact-free snow depth measurement. Reliable sensor for extreme conditions, Robust sealed ceramic membrane. Correct measurement during snowfall and snow drift. Protective shield against ice and snow hangings. High measuring accuracy. Integrated temperature compensation. Energy-saving sensor operation. Standby between the measuring phases. Simple sensor integration. Analogue and digital interface

Specifications:

Snow depth measurement

Measurement range 0 ... 10 m

Minimum distance to the maximum expected snow depth 1 m

Accuracy 0.1 % (FS) , Resolution 1 mm

Measurement principle Ultrasonic

(Frequency 50 kHz; Angle of reflected beam 12°)

Integrated Temperature compensation

Measurement range -40 ... 60 °C ,

General

Power input: max. 200 mA (Measuring phase about 3 sec); <1 mA (Standby)

Power consumption: 0.5 Ah / day (with measuring interval of 1min)

Operating temperature -40 ... 60 °C

Protection IP 66

Lightning protection Integrated lightning protection (discharge capacity 0.6 kW)

Applications:

Determining Snow Levels before/during/after snow fall.

Cable length: 5m

(*extendable at extra cost*)

Input: 10-28 VDC, 30-60 VDC

Output: mV O/P : 0 to 400mV
Voltage: 0 to 1, 2.5, 5, 10 V
Current: 4-20mA, 0-20mA
RS485
RS232-ASCII

Ordering Guide

Output	Model No.
1. For mV O/P:	**SEN-SD-mV**
2. For Voltage O/P:	**SEN- SD -V-x**
	(x stands range; 1, 2.5, 5, 10)
3. For Current O/P:	**SEN- SD -C-x**
	(x stands range; 4-20, 0-20)
4. For RS485 O/P:	**SEN- SD –RS485**
5. For RS232 ASCII O/P:	**SEN- SD -RS232**

Please mention input range information along with your enquiry / Purchase order

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Represented by:

***Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability.**