# 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 ,

# Snow Depth Sensor

## 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-ASCI

## 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 |

# Snow Depth Sensor

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

DUQE Square Business Centre, Quarter
Deck, Queen Elizabeth 2, Mina Rashid,
Dubai (United Arab Emirates)

Tel. +971-525829733

E-mail:  sales@instrumex.ae

**Represented by**

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