



SNOW DEPTH SENSOR

The ultrasonic snow depth sensor provides a total system in a compact package, containing an ultra sensitive electrostatic transducer and the supporting circuitry to provide a 0 to +5 or 0 to +2.5 VDC output with fully independent zero and span adjustments over the entire operating range of detection from 1.5' - 20'.

The sensor is designed to work in the extreme conditions where the measurement of snow depth is likely to be required. The unit is mounted facing down to the ground before any snow falls to determine the sensor to ground height, then as snow falls the sensor measures the rise and fall in surface height.

Accurate measurement of snow depth has its limitations. However sensor snow depth has overcome these shortcomings by using Hi-Tec electronics and intelligent algorithm.

Specifications	
Distance Range	0.45 - 10.00 m (1.5' - 32.0')
Accuracy	± 0.1% up to 6.00m ± 0.2% above 6.00m
Ultrasound	50KHz
Frequency Repetition Rate	2.5 Hz
Beam Angle	Typically 15° nominal
Output Voltage (Analog)	0 to 5 VDC or 0 to 2.5 VDC
Output Current (maximum)	2 mA
Digital Output	RS485/422
Power	8 to 24 VDC
Requirements:	Max 65mA
Operating temperature	-40 to +65° C
Storage temperature	-60° to 85° C
Humidity	0 to 100% non-condensing
DimensionsP65P Rating	L: 21cm, φ: 13cm
Weight	855g
Enclosure Material	Aluminum
Material	Stainless Steel

