

## 260-705 Snow Depth Sensor

The **260-705 Ultrasonic Snow Depth Sensor** is a low cost, rugged sensor for reliable snow depth measurement. The 260-705 is a non-contact object detecting and ranging sensor that uses high frequency sound to detect and localize objects in a variety of environments

Temperature compensation is applied to every reading using an integrated temperature sensor. Multiple sensor readings are analyzed using algorithms optimized for snow measurement, ensuring accurate results. The 260-705 can interface with most data loggers.



### FEATURES

- Snow depth measurements up to 16 feet
- 0-5 Vdc analog and RS232 serial outputs
- Low voltage and low current operation
- Internal temperature compensation (external compensation optional)

Snow Depth Sensor	260-705	260-705-12
Power	Regulated 5.0 Vdc @ 3.1 mA	9-15 Vdc (7 mA @ 12 V)
Maximum Input Voltage	5.5 Vdc	15 Vdc
Analog Output (filtered)	ratiometric*	0.5 to 5.0 V (buffered)
Scale Factor	Vcc / 5120 per 1 mm	1 mm / mV
Digital Output	RS232 (ASCII 9600 baud 8-N-1)	
Accuracy	±1% Typical	
Resolution	5 mm analog output, 1 mm serial output	
Range	1.64 to 16.4 feet (0.5 to 5 meters)	
Beam Angle	~20 degrees	
Cable	PVC Jacket, 5 conductor, 24 AWG, 25 feet (7.6 meters)	
Enclosure	IP67 rated junction box, sealed electronics	
Mounting	3/4" NPT	
Operating Temperature Range	-40°F to +149°F ( -40°C to +65°C )	
Dimensions	9.2" x 4.1" x 1.8" (23.4 x 10.4 x 4.6 cm)	
Weight	1.2 lb (0.55 kg)	

\* Input impedance of the monitoring equipment should be 30k ohms or more

### Ordering Information

260-705	Ultrasonic Snow Depth Sensor, 5V, with 25' cable
260-705-12V	Ultrasonic Snow Depth Sensor, 12 V, with 25' cable
260-705-TM	Tower Mounting Arm with 5' Horizontal Mast
260-705-TM2	Tower Mounting Arm with Two 3' Mast Sections
260-705-T	External Temperature Compensation with Sunshield, with 15' cable
260-705-S	Ultrasonic Sensor Shield
330-0524	Cable, 5C, 24 AWG, per foot