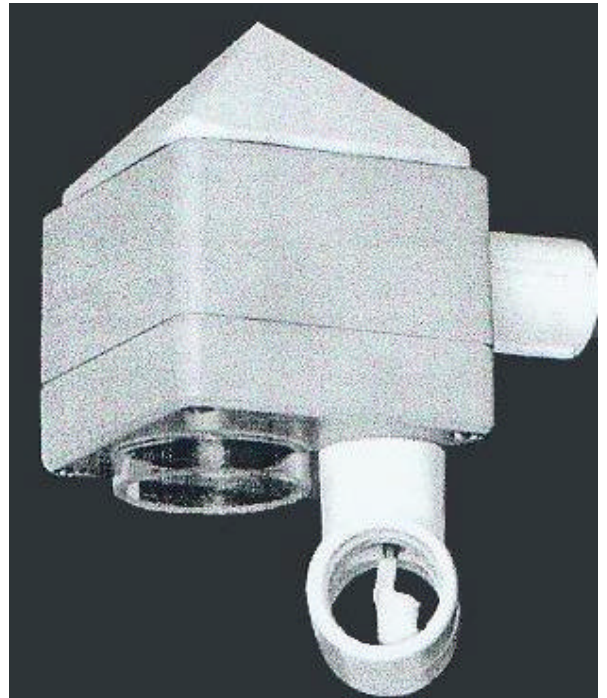


260-700 ULTRASONIC SNOW DEPTH SENSOR

The Model 260-700 Ultrasonic Snow Depth Sensor is an inexpensive solution for remotely measuring snow depth or water levels.

The sensor works by measuring the time required for an ultrasonic pulse to travel to and from a target surface. An integrated temperature probe with solar radiation shield provides an air temperature measurement for properly compensated distance and perform an error checking routine.

The distance is output as an analog signal between 0 – 2VDC or 0 – 5VDC.



Due to the simplified interface, the depth sensor can interface with any Datalogger or control system that can delay at least 2 seconds after powering up before measuring the output.

Specifications:

Power: +12 to 24 VDC, 50 mA

Analog output: 0 – 2 VDC or 0 – 5 VDC

Range: 0.5 to 10 meters (1.6 to 32.8 ft)

Beam width: 22 degrees

Accuracy: \pm 1cm or 0.4% distance to target

Resolution: 3 mm (0.12")

Temperature range: -30 to +70 degree C (-22 to +158 degree F)

Temperature accuracy: 0.5 degree C

Mounting: 1/2" galvanized threaded pipe

Size: 3" * 3" * 5"

Maximum cable length: 200M