

## Specifications

### Output

- 0 to 5 V square wave, differential or single ended
- 62.1 pulses per second for every kilometer per hour of speed measured (100 pulses per second for every mph of speed measured)

### Speed Range

- 0.8 to 480 km/h
- 0.5 to 300 mph

### Power Supply

- 10.5 to 16.5 VDC, 2.4 W

### Accuracy

#### Total Unadjusted Error: $\pm 0.34\%$ at 1mph\*

\* Error increased 0.0023% for every 1 mph increase in speed. For example, at 2 mph, the error increases to  $\pm 0.3423\%$ . At 60 mph, the accuracy is  $\pm 0.48\%$ . Overall accuracy of the speed measurement is also influenced by external factors which may include sensor alignment, vibration, etc.

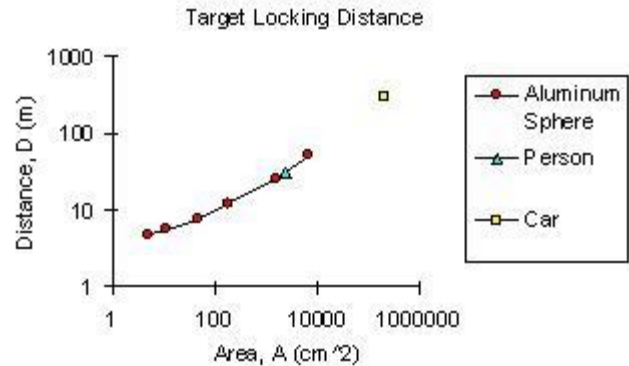
### Sensor Response

- Update Period: 0.01 seconds
- Locking Latency: 0.02 seconds
- Unlocking Latency: 0.05 seconds
- Sensor Time Constant: 0.025 seconds

### Enclosure

- Weather Resistant

### Maximum Target Distance



Maximum target distance is determined by the size and shape of the target. The sensor can see an average size car at about 300 meters (1,000 feet).

### Microwave Characteristics

- Frequency: Ka Band -  $35.5 \pm 0.1$  GHz
- Beam Divergence Angle:  $6^\circ$  from center
- Average RF Power: 0.02 W maximum
- Effective Radiated Power: 0.98 W

Note: The sensor's transmitted signal is regulated under FCC regulations Part 90, subpart F. Please contact GMH Engineering for registration details.

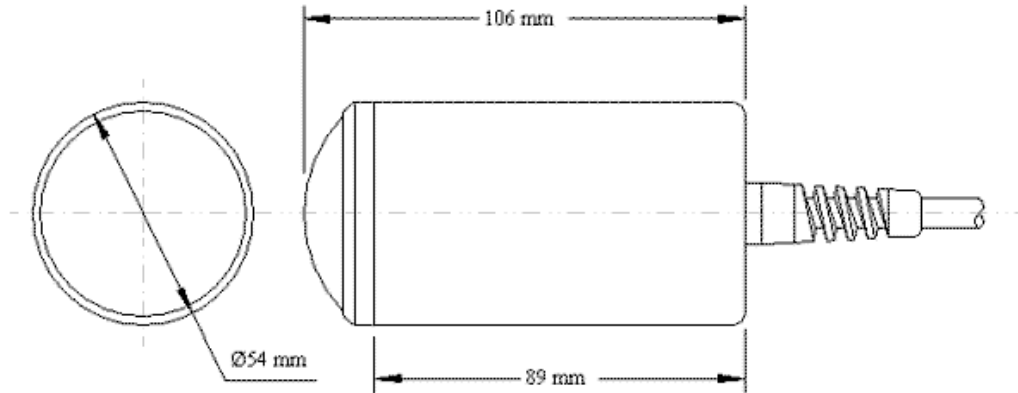
### Temperature Range

- $-17$  to  $60^\circ$  C
- 0 to  $140^\circ$  F

### Weight

- 230g (0.5 lbs.)

## Dimensions



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