



Stalker Stationary Speed Sensor II

FEATURES

- MPH, km/h, knots, m/s, ft/s
- RS-232, RS-485
- 11 streaming, 3 polled protocols
- IP67 rated
- Low power consumption < 1 watt
- 1-Year parts and labor warranty

Low Cost. Low Power Requirement, High Performance.

Low power consumption, small size, and competitive price all make Stalker's new Stationary Speed Sensor II the right choice for nearly any speed measurement application.

Built by Stalker Radar, founded in 1977, with expertise gained from successful speed measurement products in law enforcement, sports, and industry, the Stationary Speed Sensor II is compact and light weight. Its 11.2 x 9.9 x 4 cm size allows it to fit almost anywhere.

The Speed Sensor II utilizes digital signal processing that enables it to track vehicles either moving toward it, vehicles moving away, or both directions simultaneously.

Outdoor applications like speed trailers, pole mounted speed signs, and photo radar are protected by its IP67 waterproof case and a single, also waterproof, cable provides power and communications in 14 industry standard data formats. Additionally, it has a range of over 400 meters.

So if your application requires accurate, reliable speed measurement in environments from mild to harsh, a Developers Kit is available, which includes the Stalker Stationary Speed Sensor II, power cable, serial data cable, sensor mounting hardware, communications/programming application, and user manual.



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Stalker Stationary Speed Sensor II

Stalker's new Stationary Speed Sensor II is the key component in any OEM speed measurement application.

Performance

Range	>1300 feet (400 m)
Minimum Speed.....	1 MPH(1.6 KMH)
Maximum speed	200 MPH (321.9 KMH)
Speed Resolution	0.1 MPH (.16KPH)
Speed Accuracy.....	±0.5 MPH ±0.3%
	±0.8 KPH ±0.3%

Directionality selections - Approaching, Receding, Both

Communications Ports

- 4 communications types
 - RS-485 full duplex
 - RS-485 half duplex
 - RS-232 , no flow control
 - RS- 232 with hardware flow control
- Up to Three simultaneous ports,
 - one RS-485 FD and one RS-232 port available simultaneously
 - Two RS-485 HD and one RS-232 port available simultaneously
 - Any output protocol on any port
- Baud rates – 9.6K to 115.2K baud
- 11 streaming protocols
- 3 polled protocols
- Sensor are addressable with multi-drop capabilities

Trigger Output

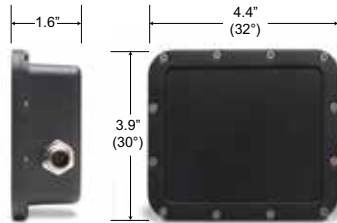
- Electrically isolated trigger contacts
- Two normally open (NO) contacts
- 60 volt max
- 400 mA max

Physical characteristics

Size (LxWxD) excluding connector..	4.4 x 3.9 x 1.6 inches (11.2 x 9.9 x 4 cm)
Weight	<13 oz. (.35 kg)
Housing	Die-cast aluminum
Lens.....	HDPE
Electrical connector	M12, 12 pin
Mounting.....	4 x 10-32 UNF

Environmental

Operating temp.....	-30 to +70° C
Storage temp.....	-45 to +85° C
Ingress rating.....	IP67



Microwave

Center frequency	24.125 GHz
Frequency range	100 MHz
Transmit power	100 mW
Beam width.....	30° by 32°
F.C.C. Approved. No license required.	

Power

Voltage.....	10 to 45 volts, DC
Current (24 volts DC).....	80 mA @ 12 VDC typical
Power	<1 watt

Protections

- Transient protection
- Reverse voltage protection
- Resettable Fuse

PC Graphical Interface

- Powerful tool for sensor configuration, testing and firmware update



Developers Kits

Stationary Speed Sensor II, sensor only

Part number: 200-0880-00

Stationary Speed Sensor II Developers Kit - RS-485

Part number: 200-0925-00

Includes sensor, power/serial data cable, sensor mounting hardware, communications/programming application, and user manual.

Stationary Speed Sensor II Developers Kit - RS-232

Part number: 200-0925-01

Includes sensor, power/serial data cable, sensor mounting hardware, communications/programming application, and user manual.

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