

6° x 26° Sensors

6° x 26° Stalker Stationary Speed Sensor II
6° x 26° Stalker Traffic Statistics Sensor

6° beam tracks vehicles in a single lane at up to 400 meters.

FEATURES

- MPH, km/h, knots, m/s, ft/s
- RS-232, RS-485, USB
- 11 streaming, 3 polled protocols
- Tracks up to 10 moving vehicles simultaneously
- Narrow horizontal beam for single lane applications
- 1-Year parts and labor warranty

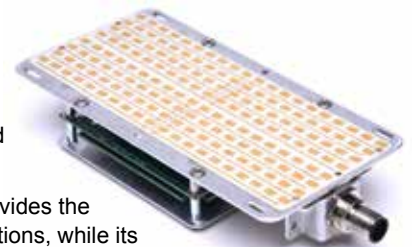
Stalker Radar's new Stationary Speed Sensor II's narrow, lane-specific 6° beam accurately detects and tracks vehicles in a single lane at greater distances than other wider beam radars.

Monitors up to 10 vehicles

The Speed Sensor II is capable of monitoring up to 10 vehicles in a single lane at distances of up to 400 meters, and provides OEMs and system integrators with a sensor solution from a proven leader in the radar speed measurement field.

Plus, the Speed Sensor II's open-frame configuration provides the design engineer with a number of physical installation options, while its digital signal processing manages tracking vehicles either moving toward or away from the radar.

The Speed Sensor II's small size and light weight, plus broad operating temperature and low power consumption, make it a versatile and adaptable choice for a range of environments and applications. Its target recognition/filtering settings make it adaptable to any type vehicle or road condition.



On-board traffic statistics

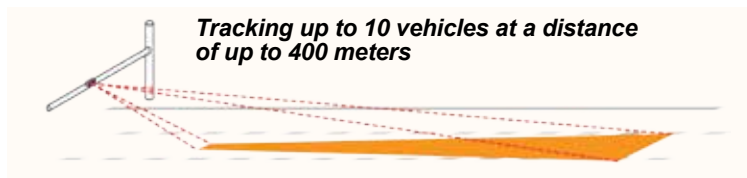
If traffic analysis is required, a narrow-beam sensor with on-board traffic statistics capability – the OEM 6° x 26° Traffic Statistics Sensor – coupled with Stalker's easy-to-use, full-featured Traffic Statistics App is the comprehensive solution.

Comprehensive traffic statistics collection and analysis

The Traffic Statistics Sensor collects and stores raw data in embedded non-volatile memory until accessed by the Traffic Statistics App. The data is then presented in an intuitive graphing window that includes the mean, 85th percentile, and 10 mph pace. In addition, Count vs. Time, Speed vs. Time, and Count vs. Speed can be displayed and analyzed. The application also controls radar sensor setup, survey data extraction, survey data analysis, and report creation, while working seamlessly with the Stalker Traffic Statistics Sensor.

Data can also be exported for further use in Microsoft Excel. The Stalker Traffic Statistics App is compatible with 32- or 64-bit Microsoft Windows XP, Windows Vista, Windows 7, and Windows 8 operating systems.

Available with or without traffic statistics capabilities.



StalkerRadar.com

STALKER

Traffic Technologies

Stalker 6° x 26° Sensors

Stalker Radar's new 6° x 26° Speed Sensors narrow beam accurately tracks and classifies up to 10 vehicles in single lane at up to 400 meters.

Performance

Range	>1300 feet (400 m)
Minimum Speed.....	1 mph(1.6 km/h)
Maximum speed	200 mph (321.9 km/h)
Speed Resolution	0.1 mph (.16km/h)
Speed Accuracy.....	±0.5 mph ±0.3%
	±0.8 km/h ±0.3%
Directionality selections.....	Approaching, Receding, Both

Communications Ports

- 4 communications types
 - RS-485 full duplex (FD)
 - RS-485 half duplex (HD)
 - RS-232 with no flow control
 - USB
- Up to four simultaneous ports,
 - One RS-485 FD, one RS-232, and one USB port
 - Two RS-485 HD, one RS-232, and one USB port
- Baud rates – 9.6K to 460.8K baud
- 11 streaming protocols
- 3 polled protocols
- Any output protocol on any port
- Sensors are addressable with multi-drop capabilities

Speed Alarm Output

- One normally floating contact – pulled to ground for alarm state
- 60 volt max
- 400 mA max

Physical characteristics

Size (LxWxD) excluding connector	6.1 x 3.1 x 1.52 inches (15.5 x 7.9 x 3.86 cm)
Weight	< 8 oz. (.23 kg)
Mounting.....	slots for flexible mounting

Microwave

Center frequency.....	24.125 GHz
Frequency range	100 MHz
Transmit power.....	200 mW
Beam width.....	6° by 26°

Environmental

Operating temp.....	-22° F (-30° C) to +185° F (+85° C)
Storage temp.....	-40° F (-40° C) to +185° F (+85° C)

12 position, 1.25 mm picoblade connector shown with protective cover plate removed



Power

Voltage	10 to 45 volts, DC
Current	250mA @ 12 VDC typical
Power	<3 watt

Protections

- Transient protection
- Reverse voltage
- Resettable Fuse

Traffic Statistics Option

The Traffic Statistics Sensor collects and stores raw traffic data in embedded non-volatile memory, accessible by Stalker's Traffic Statistics App option.

Stalker's Traffic Statistics App presents data in a 2-axis graphing window that makes the survey analysis results clearly understandable. Traffic Statistics, Survey Description, and Display Controls surround the graphing window and changes made to parameters update in real time.

NHTSA free flow formatting, including 10 mph pace, 10 mph pace (+), 85th percentile, and average speed are shown in the Speed/Time and Count/Speed views, while a Count/Time comparison is also available. Speed resolution ranges from 1 mph to 20 mph. Time resolution goes from 1 minute to 1 hour. Five vehicle classifications are available as well as monitoring both traffic closing or moving away, or a combination of both.



Part Number	Description
200-1033-00	Stationary Speed Sensor only
200-1033-01	Traffic Statistics Sensor only
200-1033-10	Stationary Speed Sensor with M12 connector
200-1033-11	Traffic Statistics Sensor with M12 connector



StalkerRadar.com

Traffic Technologies

STALKER

applied concepts, inc.

2609 Technology Drive ■ Plano, Texas 75074 ■ 972.398.3780 ■ Fax 972.398.3781

Copyright © 2016 Applied Concepts, Inc. All Rights Reserved. Specifications are subject to change.



006-0586-00 Rev A