

***STALKER* Radar Lidar**

The World Leader in Speed Measurement

Ohio State Term Schedule

Radar and Lidar Speed Measurement

Products and Pricing

Effective July 1, 2009



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Table of Contents

Stalker II MDR Moving Direction-Sensing Radar	3
Stalker II MDR Moving Direction-Sensing Radar with Rear Antenna.....	4
Stalker II SDR Stationary Direction-Sensing Radar	5
Stalker DSR 2X Direction Sensing Radar with Fast Lock.....	6
Stalker DSR 2X Direction Sensing Radar with Instant On	7
Stalker DSR 2X Direction Sensing Radar for Motorcycles.....	8
Stalker DSR Direction Sensing Radar with Two Antennas.....	9
Stalker DSR Direction Sensing Radar with One Antenna.....	10
Stalker DSR Direction Sensing Radar for Motorcycles	11
Stalker Dual SL with Two Antennas.....	12
Stalker Dual SL with One Antenna	13
Stalker Dual SL for Motorcycles with Two Antennas.....	14
Stalker Dual SL for Motorcycles with One Antenna	15
Stalker Basic Moving	16
Stalker Basic Stationary.....	17
Stalker LIDAR	18
Stalker Speedboard	19
Stalker Speedboard with Strobe Light.....	20
Spectre Radar Detector Detector (RDD).....	21

Specification Sheets:

- Stalker II MDR
- Stalker II MDR with Rear Antenna
- Stalker II SDR
- DSR 2X
- DSR
- DUAL SL
- Basic Moving / Stationary
- LIDAR
- SpeedBoard
- Radar Detector Detector

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Stalker II MDR Moving Direction-Sensing Radar

Stalker II MDR is a direction-sensing dash-mount or hand-held Ka-Band Doppler Moving radar (Opposite, Same or Stationary.) Its small, light-weight die-cast metal cast is waterproof, not just water resistant and can be used on motorcycles. The perfect multi-use radar.



Package #: 803-0002-00

- Stalker II Radar unit
- IR remote control
- Two battery handles
- Battery charger
- Two tuning forks
- Short dash mount, 7.4" to 11.8"
- VSS/CAN cable kit
- Operator manual
- Hard carrying case w/box
- 24 Month Warranty

Options:

Part #	Description	Price
200-0701-00	Long dash mount 11.8" to 17.8" depth	\$ 105
200-0685-00	Motorcycle holster	\$ 155
200-0694-00	Motorcycle mover mount	\$ 105
200-0670-00	VSS/power cable kit	\$ 79
200-0681-00	VSS w/serial port kit	\$ 79
155-2286-00	CAN/VSS cable Kit	\$ 79
155-2286-01	CAN/VSS/serial cable kit	\$ 79

List Price: \$ 2,395

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 1,870**
- **6 + Units: \$ 1,785**

Shipping:

FOB Destination, Freight Prepaid

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Stalker II MDR Moving Direction-Sensing Radar with Rear Antenna

Stalker II MDR is a direction-sensing dash-mount or hand-held Ka-Band Doppler Moving radar (Opposite, Same or Stationary.) This unit includes a rear port connection with antenna, cable and mount. Its small, light-weight die-cast metal cast is waterproof, not just water resistant and can be used on motorcycles. The perfect multi-use radar.



Package #: 803-0003-00

- Stalker II Radar w/rear port
- DSR KA Antenna
- IR remote control
- Two battery handles
- Battery charger
- Two tuning forks
- Short dash mount, 7.4" to 11.8"
- Antenna rear deck mount
- Rear antenna cable
- VSS/CAN cable kit
- Operator manual
- Hard carrying case w/box
- 24 Month Warranty

Options:

Part #	Description	Price
200-0701-00	Long dash mount 11.8" to 17.8" depth	\$ 105
200-0685-00	Motorcycle holster	\$ 155
200-0694-00	Motorcycle mover mount	\$ 105
200-0670-00	VSS/power cable kit	\$ 79
200-0681-00	VSS w/serial port kit	\$ 79
155-2286-00	CAN/VSS cable Kit	\$ 79
155-2286-01	CAN/VSS/serial cable kit	\$ 79

List Price: \$ 3,195

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,571**
- **6 + Units: \$ 2,486**

Shipping:

FOB Destination - Freight Prepaid

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Ohio State Term Schedule

Stalker II SDR Stationary Direction-Sensing Radar

Stalker II SDR is a direction-sensing hand-held Ka-Band Doppler Stationary only radar. Its small, light-weight die-cast metal cast is waterproof, not just water resistant. The perfect radar for any application.



Package #: 803-0005-00

- Stalker II Radar unit
- Two battery handles
- Battery charger
- Two tuning forks
- Cigarette-plug power cable
- Operator manual
- Hard carrying case w/box
- 24 Month Warranty

Options:

Part #	Description	Price
200-0685-00	Motorcycle holster	\$ 155
200-0694-00	Motorcycle mover mount	\$ 105

List Price: \$ 1,495

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 1,194**
- **6 + Units: \$ 1,109**

Shipping:

FOB Destination - Freight Prepaid

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Stalker DSR 2X Direction Sensing Radar with Fast Lock

Stalker DSR 2X is a direction-sensing dash-mounted Ka-Band Doppler radar. It is two fully functional radars in one unit, and is capable of monitoring front and rear target zones simultaneously. Automatic same direction target sensing, true Doppler audio and VSS operation are standard. The Fast Lock remote allows officers to lock "faster" targets. Rear Traffic Alert is a patent pending 2X feature.



Package #: 807-0001-00

- 2X Radar unit w/speaker
- Display - Std. (Org/Rd/Grn)
- Two DSR digital antennas
- IR "Fast Lock" remote
- Two Tuning forks
- Display hood kit
- Radar dash mount
- Two antenna dash/deck mounts
- 2 ft & 16 ft antenna cables
- VSS/CAN cable kit
- Operator manual
- 36 Month Warranty

List Price: \$ 3,695

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,465**
- **6 + Units: \$ 2,380**

Options:

Part #	Description	Price
200-0743-00	Universal dash mount	\$ 79
200-0798-00	Charger dash mount	\$ 150
155-2211-00	Remote display cable	\$ 49
200-0622-00	VSS/power cable kit	\$ 79
200-0623-00	VSS w/Serial port kit	\$ 79
155-2283-00	VSS/CAN cable kit	\$ 79
155-2283-01	VSS/CAN/serial cable kit	\$ 79
155-2055-02	Antenna cable, 2 ft	\$ 49
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-16	Antenna cable, 16 ft	\$ 79
155-2055-25	Antenna cable, 25 ft	\$ 89
035-0021-02	Carrying case	\$ 39

* Requires a 4 or 8 ft antenna cable depending on where the counting unit will be mounted.

Shipping:

FOB Destination - Freight Prepaid

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Stalker DSR 2X Direction Sensing Radar with Instant On

Stalker DSR 2X is a direction-sensing dash-mounted Ka-Band Doppler radar. It is two fully functional radars in one unit, and is capable of monitoring front and rear target zones simultaneously. Automatic same direction target sensing, true Doppler audio and VSS operation are standard. Instant On remote allows strong target lock with instant transmit On/Off. Rear Traffic Alert is a patent pending 2X feature.



Package #: 807-0002-00

- 2X Radar unit w/speaker
- Display - Std. (Org/Rd/Grn)
- Two DSR digital antennas
- IR "Instant On" remote
- Two Tuning forks
- Display hood kit
- Radar dash mount
- Two antenna dash/deck mounts
- 2 ft & 16 ft antenna cables
- VSS/CAN cable kit
- Operator manual
- 36 Month Warranty

Options:

Part #	Description	Price
200-0743-00	Universal dash mount	\$ 79
200-0798-00	Charger dash mount	\$ 150
155-2211-00	Remote display cable	\$ 49
200-0622-00	VSS/power cable kit	\$ 79
200-0623-00	VSS w/Serial port kit	\$ 79
155-2283-00	VSS/CAN cable kit	\$ 79
155-2283-01	VSS/CAN/serial cable kit	\$ 79
155-2055-02	Antenna cable, 2 ft	\$ 49
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-16	Antenna cable, 16 ft	\$ 79
155-2055-25	Antenna cable, 25 ft	\$ 89
035-0021-02	Carrying case	\$ 39

List Price: \$ 3,695

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,900**
- **6 + Units : \$ 2,800**

* Requires a 4 or 8 ft antenna cable depending on where the counting unit will be mounted.

Shipping:

FOB Destination - Freight Prepaid

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Ohio State Term Schedule

Stalker DSR 2X Direction Sensing Radar for Motorcycles

Stalker DSR 2X is a direction-sensing Motorcycle mounted Ka-Band Doppler radar. It is two fully functional radars in one unit and is capable of monitoring front and rear target zones simultaneously. Automatic same direction target sensing, true Doppler audio and VSS operation are standard. The Fast Lock remote allows officers to lock “faster” targets. Rear Traffic Alert is a patent pending 2X feature. The radar’s display and remote control are waterproof for operation in extreme weather conditions.



Package #: 807-0003-00

Generic Motorcycle Package

- 2X Radar unit w/speaker
- Waterproof display
- Waterproof wired remote
- Two DSR digital antennas
- Two Tuning forks
- Universal cycle antenna mount
- Display mount
- Radar to display/remote cable
- 4 ft & 12 ft antenna cables
- VSS installation cable kit
- VSS conditioner module
- Operator manual
- 36 Month Warranty

List Price: \$ 3,995

The following prices cover all 2X motorcycle units on this page

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,720**
- **6 + Units : \$ 2,635**

Shipping:

FOB Destination - Freight Prepaid

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Package #: 807-0006-00:

Harley Davidson Package

- Changes VSS installation cable to Harley Davidson version

Package #: 807-0007-00:

BMW Package

- Changes VSS installation cable to old BMW version cable (pre BMW 1200 RT-P)

Package #: 807-0008-00:

BMW 1200 RP-T Package

- Changes VSS installation cable to BMW version (1200 RT-P Only)

Options:

Part #	Description	Price
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-12	Antenna cable, 12 ft	\$ 69
035-0021-02	Carrying case	\$ 39

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Ohio State Term Schedule

Stalker DSR Direction Sensing Radar with Two Antennas

Stalker DSR is a direction-sensing dash-mounted Ka-Band Doppler radar. It features same-lane direction sensing, “faster” target locking, true Doppler audio and two waterproof antennas.



Package #: 806-0001-00

- DSR Radar unit w/speaker
- Display - Std. (Org/Rd/Grn)
- Two DSR digital antennas
- IR remote
- Two Tuning forks
- Display hood kit
- Radar dash mount
- Two antenna dash/deck mounts
- 2 ft & 16 ft antenna cables
- VSS/CAN cable kit
- Operator manual
- 36 Month Warranty

Options:

Part #	Description	Price
200-0743-00	Universal dash mount	\$ 79
200-0798-00	Charger dash mount	\$ 150
155-2211-00	Remote display cable	\$ 49
200-0622-00	VSS/power cable kit	\$ 79
200-0623-00	VSS w/Serial port kit	\$ 79
155-2283-00	VSS/CAN cable kit	\$ 79
155-2283-01	VSS/CAN/serial cable kit	\$ 79
155-2055-02	Antenna cable, 2 ft	\$ 49
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-16	Antenna cable, 16 ft	\$ 79
155-2055-25	Antenna cable, 25 ft	\$ 89
035-0021-02	Carrying case	\$ 39

List Price: \$ 3,495

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,278**
- **6 + Units: \$ 2,193**

Shipping:

FOB Destination - Freight Prepaid

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Stalker DSR Direction Sensing Radar with One Antenna

Stalker DSR is a direction-sensing dash-mounted Ka-Band Doppler radar. It features same-lane auto-direction sensing, "faster" target locking, true Doppler audio and one waterproof antenna.



Package #: 806-0002-00

- DSR Radar unit w/speaker
- Display - Std. (Org/Rd/Grn)
- One DSR digital antenna
- IR remote
- Two Tuning forks
- Display hood kit
- Radar dash mount
- One antenna dash/deck mount
- 2 ft antenna cable
- VSS/CAN cable kit
- Operator manual
- 36 Month Warranty

● **List Price: \$ 2,695**

Options:

Part #	Description	Price
200-0743-00	Universal dash mount	\$ 79
200-0798-00	Charger dash mount	\$ 150
155-2211-00	Remote display cable	\$ 49
200-0622-00	VSS/power cable kit	\$ 79
200-0623-00	VSS w/Serial port kit	\$ 79
155-2283-00	VSS/CAN cable kit	\$ 79
155-2283-01	VSS/CAN/serial cable kit	\$ 79
155-2055-02	Antenna cable, 2 ft	\$ 49
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-16	Antenna cable, 16 ft	\$ 79
155-2055-25	Antenna cable, 25 ft	\$ 89
035-0021-02	Carrying case	\$ 39

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 1,581**
- **6 + Units: \$ 1,496**

* Requires a 4 or 8 ft antenna cable depending on where the counting unit will be mounted.

Shipping:

FOB Destination - Freight Prepaid

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Ohio State Term Schedule

Stalker DSR Direction Sensing Radar for Motorcycles

Stalker DSR is a direction-sensing Ka-Band Doppler radar for use on motorcycles. It features same-lane direction sensing, "faster" target locking, true Doppler audio and two waterproof antennas. The weather-resistant display and remote are designed for year-round use.



Package #: 806-0003-00

Generic Motorcycle Unit

- DSR Radar unit w/speaker
- Sealed Display
- Two DSR digital antennas
- Sealed Motorcycle remote
- Display mount
- Universal antenna mount (x2)
- 12 ft antenna cables (x2)
- VSS installation cable kit
- VSS conditioner module
- Operator manual
- 36 Month Warranty

● **List Price: \$ 3,795**

Package #: 806-0004-00

Early BMW Motorcycle Package

- Changes VSS installation cable to old BMW version cable (pre BMW 1200 RT-P)

Package #: 806-0005-00

Harley Davidson Motorcycle Package

- Changes VSS installation cable to Harley Davidson version

Package #: 806-0012-00

BMW 1200 RP-T Package

- Changes VSS installation cable to BMW version (1200 RT-P Only)

Options:

The following prices cover all DSR motorcycle units on this page

Part #	Description	Price
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-12	Antenna cable, 12 ft	\$ 69
035-0021-02	Carrying case	\$ 39

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,533**
- **6 + Units: \$ 2,448**

Shipping:

FOB Destination - Freight Prepaid

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Ohio State Term Schedule

Stalker Dual SL with Two Antennas

Stalker Dual SL (Same Lane) is a dash-mounted Ka-Band Doppler radar. It features “faster” speed tracking, same direction traffic monitoring, true Doppler audio and two waterproof antennas.



Package #: 805-0007-00

- DUAL Radar unit w/speaker
- Display - Std. (Org/Rd/Grn)
- Two digital antennas
- IR remote
- Two Tuning forks
- Display hood kit
- Radar dash mount
- 2 antenna dash/deck mounts
- 2 ft & 16 ft antenna cables
- VSS/CAN cable kit
- Operator manual
- 36 Month Warranty

● **List Price: \$ 2,595**

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 1,798**
- **6 + Units: \$ 1,751**

Options:

Part #	Description	Price
200-0743-00	Universal dash mount	\$ 79
200-0798-00	Charger dash mount	\$ 150
155-2211-00	Remote display cable	\$ 49
200-0622-00	VSS/power cable kit	\$ 79
200-0623-00	VSS w/Serial port kit	\$ 79
155-2283-00	VSS/CAN cable kit	\$ 79
155-2283-01	VSS/CAN/serial cable kit	\$ 79
155-2055-02	Antenna cable, 2 ft	\$ 49
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-16	Antenna cable, 16 ft	\$ 79
155-2055-25	Antenna cable, 25 ft	\$ 89
035-0021-02	Carrying case	\$ 39

* Requires a 4 or 8 ft antenna cable depending on where the counting unit will be mounted.

Shipping:

FOB Destination - Freight Prepaid

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Stalker Dual SL with One Antenna

Stalker Dual SL (Same Lane) is a dash-mounted Ka-Band Doppler radar. It features “faster” speed tracking, same direction traffic monitoring, true Doppler audio and one waterproof antenna.



Package #: 805-0004-00

- DUAL Radar unit w/speaker
- Display - Std. (Org/Rd/Grn)
- One digital antenna
- IR remote
- Two Tuning forks
- Display hood kit
- Radar dash mount
- 1 antenna dash/deck mount
- 2 ft antenna cable
- VSS/CAN cable kit
- Operator manual
- 36 Month Warranty

● **List Price: \$ 1,995**

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 1,279**
- **6 + Units: \$ 1,237**

Options:

Part #	Description	Price
200-0743-00	Universal dash mount	\$ 79
200-0798-00	Charger dash mount	\$ 150
155-2211-00	Remote display cable	\$ 49
200-0622-00	VSS/power cable kit	\$ 79
200-0623-00	VSS w/Serial port kit	\$ 79
155-2283-00	VSS/CAN cable kit	\$ 79
155-2283-01	VSS/CAN/serial cable kit	\$ 79
155-2055-02	Antenna cable, 2 ft	\$ 49
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-16	Antenna cable, 16 ft	\$ 79
155-2055-25	Antenna cable, 25 ft	\$ 89
035-0021-02	Carrying case	\$ 39

* Requires a 4 or 8 ft antenna cable depending on where the counting unit will be mounted.

Shipping:

FOB Destination - Freight Prepaid

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Stalker Dual SL for Motorcycles with Two Antennas

Stalker Dual SL (Same Lane) is a dash-mounted Ka-Band Doppler radar. It features “faster” speed tracking, same direction traffic monitoring, true Doppler audio and two waterproof antennas. The weather-resistant display and remote are designed for year-round use.



Package #: 805-0009-00

Generic Motorcycle

- DUAL Radar unit w/speaker
- Sealed Display
- Two digital antennas
- Sealed Motorcycle remote
- Two tuning forks
- Display & Remote mounts
- Two universal antenna mounts
- Two 12 ft antenna cables
- VSS installation cable kit
- VSS conditioner module
- Operator manual
- 36 Month Warranty

● **List Price: \$ 2,895**

Price covers all DUAL motorcycle units on this page.

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,044**
- **6 + Units: \$ 2,002**

Shipping:

FOB Destination - Freight Prepaid

Package #: 805-0010-00

Early BMW Motorcycle

- Changes VSS to BMW

Package #: 805-0011-00

Harley Davidson Motorcycle

- Changes VSS to Harley

Package #: 805-0012-00

BMW RT-P Motorcycle

- Changes VSS to BMW RT-P

Options:

Part #	Description	Price
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-12	Antenna cable, 12 ft	\$ 69
035-0021-02	Carrying case	\$ 39

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Stalker Dual SL for Motorcycles with One Antenna

Stalker Dual SL is a dash-mounted Ka-Band Doppler radar. It features “faster” speed tracking, same direction traffic monitoring, true Doppler audio and one waterproof antenna. The weather-resistant display and remote are designed for year-round use.



Package #: 805-0005-00

Generic Motorcycle

- DUAL Radar unit w/speaker
- Sealed Display
- One digital antenna
- Sealed Motorcycle remote
- Two tuning forks
- Display & Remote mounts
- One universal antenna mount
- One 12 ft antenna cable
- VSS installation cable kit
- VSS conditioner module
- Operator manual
- 36 Month Warranty

● **List Price: \$ 2,295**

Package #: 805-0006-00

Harley Davidson Motorcycle (1 Antenna)

- Changes VSS to Harley Davidson

Options:

Part #	Description	Price
155-2055-04	Antenna cable, 4 ft	\$ 59
155-2055-08	Antenna cable, 8 ft	\$ 59
155-2055-12	Antenna cable, 12 ft	\$ 69
035-0021-02	Carrying case	\$ 39

Price covers all DUAL motorcycle units on this page.

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 1,534**
- **6 + Units: \$ 1,492**

Shipping:

FOB Destination - Freight Prepaid

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Ohio State Term Schedule

Stalker Basic Moving

Stalker Basic is a hand-held K-Band Doppler Moving radar for Opposite lane patrolling. The Basic can be used in Moving Opposite or Stationary. It can be dash mounted or an optional motorcycle mount is available.



Package #: 801-0006-00

- Radar unit
- Mini remote control
- One battery
- Battery charger
- Two Tuning forks
- Short dash mount, 7.4" to 11.8"
- Cigarette-plug power cable
- Carrying case
- Operator manual
- 12 Month warranty

● **List Price: \$ 1,295**

Options:

Part #	Description	Price
200-0526-00	Motorcycle mount	\$ 155
200-0479-00	Long dash mount 11.8" to 17.8" depth	\$ 155

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 1,024**
- **6 + Units: \$ 990**

Shipping:

FOB Destination - Freight Prepaid

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Stalker Radar / Applied Concepts • 1-800-STALKER (782-5537) • sales@stalkerradar.com

2609 Technology Drive • Plano, Texas 75074 • fax: 972-398-3781

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Stalker Basic Stationary

Stalker Basic Stationary is a hand-held K-Band Doppler radar. It can be motorcycle mounted with optional brackets. This is a stationary only radar.



Package #: 801-0006-00

- Radar unit
- One battery
- Battery charger
- Two Tuning forks
- Cigarette-plug power cable
- Carrying case
- Operator manual
- 12 Month warranty

● **List Price: \$ 795**

Options:

Part #	Description	Price
200-0526-00	Motorcycle mount	\$ 155

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 650**
- **6 + Units: \$ 625**

Shipping:

FOB Destination - Freight Prepaid

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Ohio State Term Schedule

Stalker LIDAR

Stalker LIDAR is the precision solution for traffic control in dense, urban areas. The LIDAR displays both the target speed and distance and provides Doppler tone.



LIDAR A Package #: 808-0001-00

- LIDAR unit
- Cigarette-plug handle
- Corrugated box
- Operator manual
- 12 Month warranty

● **List Price: \$ 3,095**

Ohio State Term Schedule Price:

- **1 to 5 Units: \$ 2,244**
- **6 + Units: \$ 2,159**

LIDAR B Package #: 808-0002-00

- LIDAR unit
- 2 Battery handles
- Battery charger
- Corrugated box
- Operator manual
- 12 Month warranty

● **List Price: \$ 3,225**

Ohio State Term Schedule Price:

- **1 to 5 Units: \$ 2,312**
- **6 + Units: \$ 2,227**

LIDAR C Package #: 808-0003-00

- LIDAR unit
- Cigarette-plug handle
- 2 Battery handles
- Battery charger
- Shoulder stock
- Waterproof carrying case
- Operator manual
- 12 Month warranty

● **List Price: \$ 3,425**

Ohio State Term Schedule Price:

- **1 to 5 Units: \$ 2,380**
- **6 + Units: \$ 2,295**

Options:

Part #	Description	Price
200-0480-00	Rechargeable battery	\$ 85
200-0164-00	Battery charger	\$ 89
200-0163-00	Cigarette plug handle	\$ 105
200-0523-00	Nylon Motorcycle holster	\$ 155
035-0217-00	Carrying case	\$ 95
200-0342-00	Shoulder stock	\$ 50

Shipping:

FOB Destination - Freight Prepaid

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Stalker Speedboard

The Stalker Speedboard is a self-contained, weather-resistant speed display and incorporates Stalker's DSR radar. It is designed encourage traffic safety at critical locations such as construction and school zones. This model includes a speed selectable display flash. Use wherever traffic safety is a concern.



Package #: 825-0001-00

- Speedboard
- DC power input
- DSR antenna / control board
- Decal "Your Speed"
- DC power cable
- Operator manual
- 12 month warranty

● **List Price: \$ 3,695**

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 2,916**
- **6 + Units: \$ 2,830**

Package #: 825-0002-00

- Speedboard
- AC and DC power inputs
- DSR antenna / control board
- Decal "Your Speed"
- DC power cable
- Operator manual
- 12 month warranty

● **List Price: \$ 3,895**

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 3,085**
- **6 + Units: \$ 3,001**

Options:

Shipping:

FOB Destination - Freight Prepaid

Part #	Description	Price
200-0450-00	Suction-cup bar (1 pair)	\$ 95
200-0471-00	Universal fixed mount	\$ 95
200-0470-00	Removable pole mount	\$ 125
200-0448-00	Trailer hitch mount	\$ 225
155-2189-00	AC power cable	\$ 35
155-2182-00	Cigarette-plug power cbl	\$ 35

Factory Authorized Service Center Located in Columbus

STALKER Radar Lidar
The World Leader in Speed Measurement

Ohio State Term Schedule

Stalker Speedboard with Strobe Light

The Stalker Speedboard is a self-contained, weather-resistant speed display and incorporates Stalker's DSR radar. It is designed encourage traffic safety at critical locations such as construction and school zones. This model includes a speed selectable strobe light and display flash. Use wherever traffic safety is a concern.



Package #: 825-0003-00

- Speedboard
- AC and DC power inputs
- Strobe light
- DSR antenna / control board
- Decal "Your Speed"
- DC power cable
- Operator manual
- 12 month warranty

● **List Price: \$ 4,385**

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 3,502**
- **6 + Units: \$ 3,417**

Package #: 825-0004-00

- Speedboard
- DC power input
- Strobe light
- DSR antenna / control board
- Decal "Your Speed"
- DC power cable
- Operator manual
- 12 month warranty

● **List Price: \$ 4,185**

Ohio State Term Schedule Pricing:

- **1 to 5 Units: \$ 3,332**
- **6 + Units: \$ 3,247**

Options:

Shipping:

FOB Destination - Freight Prepaid

Part #	Description	Price
200-0450-00	Suction-cup bar (1 pair)	\$ 95
200-0471-00	Universal fixed mount	\$ 95
200-0470-00	Removable pole mount	\$ 125
200-0448-00	Trailer hitch mount	\$ 225
155-2189-00	AC power cable	\$ 35
155-2182-00	Cigarette-plug power cbl	\$ 35

Factory Authorized Service Center Located in Columbus

***STALKER* Radar Lidar**
The World Leader in Speed Measurement

Ohio State Term Schedule

Spectre Radar Detector Detector (RDD)

State-of-the-art radar detector detection for law enforcement. The RDD allows officers to “detect” the use of radar detectors. Adjustable range and volume to customize the detector’s operation for various traffic enforcement situations.



Package #: 823-0002-00

- Spectre IV+ RDD
- Suction cup mount
- Operator manual
- 12 month warranty

● **List Price: \$1,999**

****Factory Authorized Service Center Located in Columbus****

Stalker Radar / Applied Concepts • 1-800-STALKER (782-5537) • sales@stalkerradar.com

2609 Technology Drive • Plano, Texas 75074 • fax: 972-398-3781

STALKER® II MDR Moving Radar

GENERAL SPECIFICATIONS

Type:	Handheld Moving/Stationary Doppler Radar
Operating Frequency:	34.7 GHz (Ka-band)
Stability:	±100 MHz
Battery Type:	Removable/rechargeable sealed battery handle containing a 7.2 Volt Li-Ion battery
Cell Capacity:	2000 mAh
Power Requirements:	Removable Battery Handle: 7.2 VDC nominal Cigarette Plug Coil Cord Handle: 7.0 to 18.0 VDC (currents are typical at 12VDC with Cigarette Plug Handle) XMIT with all displays off and back light off: 280 mA XMIT with moving target and back light: 280 mA XMIT with no target and back light: 300 mA Standby with no target and back light on: 150 mA Standby with no target and back light off: 130 mA Sleep mode: 30 mA (when battery powered only)
Environmental:	-30°C to +70°C, 90% Relative Humidity, Operating 0°C to 45°C, 90% Relative Humidity, Battery Charging -40°C to +85°C, Non-Operating
Display:	Back-lighted LCD with 3 speed windows (Target speed, Lock/Fast speed, and Patrol speed), 4-digit Alphanumeric status window, XMIT icon, and CHG icon
Mechanical:	Weight – 2.15 lb. (0.98 kg) with battery handle attached Height – 7.35 in. (18.5 cm) Length – 7.9 inches (20.1 cm) Width – 2.83 inches (7.2 cm) Radar Body Material – Aluminum and Magnesium die castings Handle Case Material – ABS polymer
Accuracy:	+1, -2 MPH stationary, ±2 MPH moving +2, -3 KM/H stationary, ±3 KM/H moving
Auto Self-Test:	Performed every 10 minutes while transmitting
Stationary Speed Range:	5 MPH to 200 MPH Standard 15 MPH to 200 MPH (option menu selectable)
Moving Speed Range:	Patrol speed - Selectable with P.S. 5/20 key: 5 in patrol window for acquisition of 5 to 90 MPH 20 in patrol window for acquisition of 20 to 90 MPH Patrol speed, once locked, will track to 150 MPH Opposite lane target speed - 200 MPH Max closing For 5 MPH patrol speed: 20 MPH to 195 MPH For 70 MPH patrol speed: 35 MPH to 130 MPH. Same lane target speed – Related to patrol speed: ±70% of patrol speed within 5 MPH of patrol speed. i.e. for 50MPH: 16→45 MPH and 55→85 MPH. Same lane patrol speed must be greater than 16 MPH.

MICROWAVE SPECIFICATIONS

Antenna:	Conical horn
Polarization:	Circular
3db Beamwidth:	12° ±1°
RF Source:	Gunn-Effect diode
Receiver Type:	Two Direct Conversion Homodyne receivers using four low-noise Schottky barrier mixer diodes
Power Output:	10 mW minimum 15 mW nominal 25 mW maximum
Power Density:	2 mW/cm ² maximum at 5 cm from lens

SPEED WINDOW MESSAGES

PASS:	PASS in the speed windows indicates the unit has just passed self-test.
FAIL:	FAIL in the speed windows indicates the unit has just failed self-test. Speed readings are inhibited. Remove the unit from service and repair. FAIL will remain on the display until reset by being powered off.

DISPLAY WINDOW INDICATORS

BATT:	A flashing BATT message indicates a nearly exhausted battery
V LO:	A V LO message indicates the operating voltage is too low.

MESSAGE WINDOW MESSAGES

RFI:	An RFI message indicates the presence of an interfering signal. Operation is inhibited during an RFI indication
MENU:	A MENU message displayed in the message window after the MENU key is pressed and indicates that the radar is in MENU mode
TEST:	A TEST message indicates that a test sequence is in process
FAWY:	FAWY showing in the message window indicates that the radar is set to track targets moving away from the radar in stationary mode
FCLD:	FCLD showing in the message window indicates that the radar is set to track targets closing on the radar in stationary mode
FBTH:	FBTH indicates that the target direction is set to simultaneously track both closing and away targets in stationary mode
FSFM:	A FSFM message indicates that same lane moving mode has just been selected
FOPP:	A FOPP message indicates that opposite lane moving mode has just been selected
STOP:	A STOP message indicates that the radar is in stopwatch mode. Stopwatch mode is selected from the OPERATOR MENU
LOCK:	A LOCK message indicates that a strong target has been locked. The LOCK message will alternate with the operating mode in the message window
FLOK:	A FLOK message indicates that a faster target has been locked. The FLOK message will alternate with the operating mode in the message window
FORK:	A FORK message indicates that the radar is in fork mode. The FORK message will alternate with the operating mode in the message window

SWITCH DEFINITION

TRIGGER:	Press the trigger to transmit and release the trigger for hold. A push (to transmit) push (to hold) operation is optional. The trigger can also be used in stopwatch mode to perform the start/stop function.
MENU:	MENU is used to enter the operator menu
STA/MOV:	STA/MOV selects stationary or moving mode
▲/TEST:	▲ sets distance in stopwatch mode and increments settings in the operator menu. TEST performs a diagnostic check on the radar.
LIGHT/▼:	LIGHT switches the backlight on and off. ▼ sets distance in stopwatch mode and decrements settings in the operator menu.
LOCK/REL:	LOCK/REL is used to LOCK and RELEASE strong speed targets
BOTH DIRECTION	This key is used to select target direction
POWER:	POWER toggles the main power ON and Off.

REMOTE CONTROL FUNCTIONS

▲:	▲ is used to set distance in stopwatch mode and to increment settings in the operator menu
STRONG LOCK/REL:	STRONG LOCK/REL is used to lock and release strong targets
MENU:	MENU is used to enter the operator menu
XMIT/HLD:	XMIT/HLD toggles between transmit mode and hold mode
SS:	SS is the Start/Stop control for stopwatch operation
STA/MOV:	STA/MOV selects either stationary mode or moving mode
FAST LOCK/REL:	FAST LOCK/REL is used to lock and release faster targets
▼:	▼ is used to set distance in stopwatch mode and to decrement settings in the operator menu
BOTH/ DIRECTION:	BOTH/DIRECTION is used to select target direction
SEn:	SEn adjusts the sensitivity (range) of the radar
100:	100 is used for setting distance in stopwatch mode
SQL:	SQL toggles the squelch control on/off
10:	10 is used for setting distance in stopwatch mode
PS 5/20:	PS 5/20 is used to set the minimum patrol speed
1:	1 is used for setting distance in stopwatch mode
TEST:	Press TEST to perform a diagnostic check on the radar
(((►):	(((► is used to adjust the doppler volume and the beep volume
PS BLANK:	PS BLANK will blank a locked patrol speed and it is also used to re-acquire a new patrol speed
LIGHT:	LIGHT activates the remote backlight for 6 seconds

STALKER® II MDR Moving Radar with Rear Antenna Option

GENERAL SPECIFICATIONS

Type:	Handheld Moving/Stationary Doppler Radar
Operating Frequency:	34.7 GHz (Ka-band)
Stability:	±100 MHz
Battery Type:	Removable/rechargeable sealed battery handle containing a 7.2 Volt Li-Ion battery
Cell Capacity:	2000 mAh
Power Requirements: (First value is with handheld antenna xmit; second value is with rear antenna xmit.)	Removable Battery Handle: 7.2 VDC nominal Cigarette Plug Coil Cord Handle: 7.0 to 18.0 VDC (currents are typical at 12VDC with external power) XMIT with all displays off and back light off: 480/600 mA XMIT with moving target and back light: 500/630 mA XMIT with no target and back light: 500/630 mA Standby with no target and back light on: 340/340 mA Standby with no target and back light off: 320/320 mA Sleep mode: 37 mA (when battery powered only)
Environmental:	-30°C to +70°C, 90% Relative Humidity, Operating 0°C to 45°C, 90% Relative Humidity, Battery Charging -40°C to +85°C, Non-Operating
Display:	Back-lighted LCD with 3 speed windows (Target speed, Lock/Fast speed, and Patrol speed), 4-digit Alphanumeric status window, XMIT icon, and CHG icon
Mechanical:	Weight – 2.15 lb. (0.98 kg) with battery handle attached Height – 7.35 in. (18.5 cm) Length – 7.9 inches (20.1 cm) Width – 2.83 inches (7.2 cm) Radar Body Material – Aluminum and Magnesium die castings Handle Case Material – ABS polymer
Accuracy:	+1, -2 MPH stationary, ±2 MPH moving +2, -3 KM/H stationary, ±3 KM/H moving
Auto Self-Test:	Performed every 10 minutes while transmitting
Stationary Speed Range:	5 MPH to 200 MPH Standard 15 MPH to 200 MPH (option menu selectable)
Moving Speed Range:	Patrol speed - Selectable with P.S. 5/20 key: 5 in patrol window for <u>acquisition</u> of 5 to 90 MPH 20 in patrol window for <u>acquisition</u> of 20 to 90 MPH Patrol speed, once locked, will track to 150 MPH Opposite lane target speed - 200 MPH Max closing For 5 MPH patrol speed: 20 MPH to 195 MPH For 70 MPH patrol speed: 35 MPH to 130 MPH. Same lane target speed – Related to patrol speed: ±70% of patrol speed within 5 MPH of patrol speed. i.e. For 50MPH: 16→45 MPH and 55→85 MPH. Same lane patrol speed must be greater than 16 MPH.

MICROWAVE SPECIFICATIONS

Antenna:	Conical horn
Polarization:	Circular
3db Beamwidth:	12° ±1°
RF Source:	Gunn-Effect diode
Receiver Type:	Two Direct Conversion Homodyne receivers using four low-noise Schottky barrier mixer diodes
Power Output:	10 mW minimum 15 mW nominal 25 mW maximum
Power Density:	2 mW/cm ² maximum at 5 cm from lens

SPEED WINDOW MESSAGES

PASS:	PASS in the speed windows indicates the unit has just passed self-test.
FAIL:	FAIL in the speed windows indicates the unit has just failed self-test. Speed readings are inhibited. Remove the unit from service and repair. FAIL will remain on the display until reset by being powered off.

DISPLAY WINDOW INDICATORS

BATT:	A flashing BATT message indicates a nearly exhausted battery
V LQ:	A V LQ message indicates the battery voltage is too low.

MESSAGE WINDOW MESSAGES

RFI:	An RFI message indicates the presence of an interfering signal. Operation is inhibited during an RFI indication
MENU:	A MENU message displayed in the message window after the MENU key is pressed and indicates that the radar is in MENU mode
TEST:	A TEST message indicates that a test sequence is in process
FAWY or RFAWY:	* FAWY / RFAWY showing in the message window indicates that the radar is set to track targets moving <u>away</u> from the radar in stationary mode
FCLD or RCLD:	* FCLD / RCLD showing in the message window indicates that the radar is set to track targets <u>closing</u> on the radar in stationary mode
FBTH or RBTH:	* FBTH / RBTH indicates that the target direction is set to simultaneously track both <u>closing</u> and <u>away</u> targets in stationary mode
FSAM or RSAM:	* A FSAM / RSAM message indicates that same lane moving mode has just been selected
FOPP or ROPP:	* A FOPP / ROPP message indicates that opposite lane moving mode has just been selected
STOP:	A STOP message indicates that the radar is in stopwatch mode. Stopwatch mode is selected from the OPERATOR MENU
LOCK:	A LOCK message indicates that a strong target has been locked. The LOCK message will alternate with the operating mode in the message window
FLOK:	A FLOK message indicates that a faster target has been locked. The FLOK message will alternate with the operating mode in the message window
FORK:	A FORK message indicates that the radar is in fork mode. The FORK message will alternate with the operating mode in the message window

* Note: When rear antenna option is installed, the MDR can track both Front (Fxxx) or Rear (Rxxx) targets.

SWITCH DEFINITION

TRIGGER:	Press the trigger to transmit and release the trigger for hold. A push (to transmit) push (to hold) operation is optional. The trigger can also be used in stopwatch mode to perform the start/stop function.
MENU:	MENU is used to enter the operator menu
STA/MOV:	STA/MOV selects stationary or moving mode
▲/TEST:	▲ sets distance in stopwatch mode and increments settings in the operator menu. TEST performs a diagnostic check on the radar.
LIGHT/▼:	LIGHT switches the backlight on and off. ▼ sets distance in stopwatch mode and decrements settings in the operator menu.
LOCK/REL:	LOCK/REL is used to LOCK and RELEASE strong speed targets
BOTH DIRECTION	This key is used to select target direction
POWER:	POWER toggles the main power ON and Off.

REMOTE CONTROL FUNCTIONS

▲:	▲ is used to set distance in stopwatch mode and to increment settings in the operator menu
STRONG LOCK/REL:	STRONG LOCK/REL is used to lock and release strong targets
MENU:	MENU is used to enter the operator menu
XMIT/HLD:	XMIT/HLD toggles between transmit mode and hold mode
SS:	SS is the Start/Stop control for stopwatch operation
STA/MOV:	STA/MOV selects either stationary mode or moving mode
FAST LOCK/REL:	FAST LOCK/REL is used to lock and release faster targets
▼:	▼ is used to set distance in stopwatch mode and to decrement settings in the operator menu
BOTH/ DIRECTION:	BOTH/DIRECTION is used to select target direction
SEn:	SEn adjusts the sensitivity (range) of the radar
100:	100 is used for setting distance in stopwatch mode
SQL:	SQL toggles the squelch control on/off
10:	10 is used for setting distance in stopwatch mode
PS 5/20:	PS 5/20 is used to set the minimum patrol speed
1:	1 is used for setting distance in stopwatch mode
TEST:	Press TEST to perform a diagnostic check on the radar
(((►):	(((► is used to adjust the doppler volume and the beep volume
PS BLANK:	PS BLANK will blank a locked patrol speed and it is also used to re-acquire a new patrol speed
LIGHT:	LIGHT activates the remote backlight for 6 seconds

STALKER® II SDR Stationary Radar

GENERAL SPECIFICATIONS

Type:	Handheld Stationary Doppler Radar
Operating Frequency:	34.7 GHz (Ka-band)
Stability:	±100 MHz
Battery Type:	Removable/rechargeable sealed battery handle containing a 7.2 Volt Li-Ion battery
Cell Capacity:	2000 mAh
Power Requirements:	Removable Battery Handle: 7.2 VDC nominal Cigarette Plug Coil Cord Handle: 7.0 to 18.0 VDC (currents are typical at 12VDC with external power) XMIT with all displays off and back light off: 280 mA XMIT with moving target and back light: 280 mA XMIT with no target and back light: 300 mA Standby with no target and back light on: 150 mA Standby with no target and back light off: 130 mA Sleep mode: 30 mA (when battery powered only)
Environmental:	-30°C to +70°C, 90% Relative Humidity, Operating 0°C to 45°C, 90% Relative Humidity, Battery Charging -40°C to +85°C, Non-Operating
Display:	Back-lighted LCD with 3 speed windows (Target speed, Lock/Fast speed, and expansion window), 4-digit Alphanumeric status window, XMIT icon, and CHG icon
Mechanical:	Weight – 2.15 lb. (0.98 kg) with battery handle attached Height – 7.35 in. (18.5 cm) Length – 7.9 inches (20.1 cm) Width – 2.83 inches (7.2 cm) Radar Body Material – Aluminum and Magnesium die castings Handle Case Material – ABS polymer
Accuracy:	+1, -2 MPH, +2, -3 KM/H
Auto Self-Test:	Performed every 10 minutes while transmitting
Speed Range:	5 MPH to 200 MPH Standard 15 MPH to 200 MPH (option menu selectable)

MICROWAVE SPECIFICATIONS

Antenna:	Conical horn
Polarization:	Circular
3db Beamwidth:	12° ±1°
RF Source:	Gunn-Effect diode
Receiver Type:	Two Direct Conversion Homodyne receivers using four low-noise Schottky barrier mixer diodes
Power Output:	10 mW minimum 15 mW nominal 25 mW maximum
Power Density:	2 mW/cm ² maximum at 5 cm from lens

DISPLAY WINDOW INDICATORS

BAT:	A flashing BAT message indicates a nearly exhausted battery
V LQ:	A V LQ message indicates the battery voltage is too low.

SPEED WINDOW MESSAGES

PASS:	PASS in the speed windows indicates the unit has just passed self-test.
FAIL:	FAIL in the speed windows indicates the unit has just failed self-test. Speed readings are inhibited. Remove the unit from service and repair. FAIL will remain on the display until reset by being powered off.

MESSAGE WINDOW MESSAGES

RFI:	An RFI message indicates the presence of an interfering signal. Operation is inhibited during an RFI indication
MENU:	A MENU message displayed in the message window after the MENU key is pressed and indicates that the radar is in MENU mode
TEST:	A TEST message indicates that a test sequence is in process
FRWY:	FRWY showing in the message window indicates that the radar is set to track targets moving <u>away</u> from the radar
FCLD:	FCLD showing in the message window indicates that the radar is set to track targets <u>closing</u> on the radar
FBTH:	FBTH indicates that the target direction is set to simultaneously track both <u>closing</u> and <u>away</u> targets
STOP:	A STOP message indicates that the radar is in stopwatch mode. Stopwatch mode is selected from the OPERATOR MENU
LOCK:	A LOCK message indicates that a strong target has been locked. The LOCK message will alternate with the operating mode in the message window
FORK:	A FORK message indicates that the radar is in fork mode. The FORK message will alternate with the operating mode in the message window

SWITCH DEFINITION

TRIGGER:	Press the trigger to transmit and release the trigger for hold. A push (to transmit) push (to hold) operation is optional. The trigger can also be used in stopwatch mode to perform the start/stop function.
MENU:	MENU is used to enter the operator menu
STA/MOV:	STA/MOV is for expansion and is not used
▲/TEST:	▲ sets distance in stopwatch mode and increments settings in the operator menu. TEST performs a diagnostic check on the radar.
LIGHT/▼:	LIGHT switches the backlight on and off. ▼ sets distance in stopwatch mode and decrements settings in the operator menu.
LOCK/REL:	LOCK/REL is used to LOCK and RELEASE strong speed targets
BOTH DIRECTION:	This key is used to select target direction
POWER:	POWER toggles the main power ON and Off.

STALKER® DSR 2X SPECIFICATIONS

General Specifications

Type:	Dual Antenna Direction Sensing Moving/Stationary Doppler Radar												
Operating Frequency:	33.4 GHz - 36.0 GHz (Ka-Band)												
Stability:	±100 MHz (Ka-Band)												
Power Requirements: (With 2 Antennas)	10.0 to 16.4 VDC. (currents are typical at 12.0 VDC): XMIT on FRONT & REAR, no targets, stationary: 1.35A XMIT on FRONT & REAR, no targets, moving: 1.40A XMIT on FRONT & REAR, with 25mph targets, stationary: 1.75A XMIT on FRONT & REAR, 25mph patrol with 15mph targets: 1.53A XMIT on FRONT with 25mph patrol and 15mph target and XMIT on REAR with no target: 1.46A HOLD on FRONT & HOLD on REAR, stationary: .78A HOLD on FRONT & HOLD on REAR, moving: .82A XMIT – 1 antenna, HOLD – 1 antenna, no target, stationary: 1.05A XMIT – 1 antenna, HOLD – 1 antenna, no target, moving: 1.10A XMIT – 1 antenna, HOLD – 1 antenna, 25mph target, stationary: 1.66A												
Environmental:	-30° C to +70° C, 90% Relative Humidity Operating -40° C to +85° C, non-operating												
Display:	Five multi-color (red, green, amber) 3-digit Light Emitting Diode (LED) windows for target, fast/lock, and patrol, plus red LED mode indicators and LED target direction arrows												
Mechanical:	<table border="1"> <tr> <td>Display Unit</td> <td>Weight - 0.5 lb.</td> <td>Size - 1.65" Height, 1.05" Depth, and 5.50" Width</td> </tr> <tr> <td>Counting Unit</td> <td>Weight - 1.6 lbs.</td> <td>Size - 1.65" Height, 3.35" Depth, and 5.50" Width</td> </tr> <tr> <td>Antenna</td> <td>Weight - 1.4 lbs.</td> <td>Size - 2.60" Dia. X 4.75" Length</td> </tr> <tr> <td>Remote</td> <td>Weight - 0.4 lb.</td> <td>Size - 1.00" Height, 6.20" Length, and 2.25" Width</td> </tr> </table>	Display Unit	Weight - 0.5 lb.	Size - 1.65" Height, 1.05" Depth, and 5.50" Width	Counting Unit	Weight - 1.6 lbs.	Size - 1.65" Height, 3.35" Depth, and 5.50" Width	Antenna	Weight - 1.4 lbs.	Size - 2.60" Dia. X 4.75" Length	Remote	Weight - 0.4 lb.	Size - 1.00" Height, 6.20" Length, and 2.25" Width
Display Unit	Weight - 0.5 lb.	Size - 1.65" Height, 1.05" Depth, and 5.50" Width											
Counting Unit	Weight - 1.6 lbs.	Size - 1.65" Height, 3.35" Depth, and 5.50" Width											
Antenna	Weight - 1.4 lbs.	Size - 2.60" Dia. X 4.75" Length											
Remote	Weight - 0.4 lb.	Size - 1.00" Height, 6.20" Length, and 2.25" Width											
Accuracy:	+1, -2 mph stationary, ±2 mph moving +1.6 km/h, -3.2 km/h stationary, ±3.2 km/h moving												
Automatic Self-Test:	Performed every 10 minutes while transmitting												
Stationary Speed Range:	12 mph to 200 mph Standard or 2 mph to 200 mph (set-up menu selectable) Stationary Fastest Speed - Same speed range as stationary speed												
Moving Speed Range:	<p>Patrol Speed – Once acquired, will track to 150 mph. Acquisition speed is selectable with PS 5/20 key. 5 in patrol window for patrol speed acquisition speeds of 5 to 95 mph 20 in patrol window for patrol speed acquisition speeds of 20 to 95 mph</p> <p>Opposite Lane Target Speed – 200 mph Max closing For 5 mph patrol speed: 20 mph to 195 mph; For 70 mph patrol speed: 35 mph to 130 mph.</p> <p>Opposite Lane Fastest Speed – Same speed range as opposite lane speed</p> <p>Same lane target speed – Related to patrol speed: ±70% of patrol speed within 5 mph of patrol speed. For 50 mph patrol speed: 15 → 45 mph and 55 → 85 mph. Same lane patrol speed must be greater than 15 mph</p>												

Microwave Specifications

Antenna:	Conical horn with corrective lens
Polarization:	Circular
3 db Beam Width:	12° ±1°
Microwave Source:	Gunn-Effect diode
Receiver Type:	Two Direct Conversion Homodyne receivers using four low-noise Schottky barrier mixer diodes
Power Output:	10 mW minimum, 25 mW nominal, and 50 mW maximum
Power Density:	2 mW/cm ² maximum at 5 cm from lens

Display Messages

HLd:	The HLd message display in one of the middle windows indicates that the transmitter for that antenna is in hold mode or turned off.
V Lo:	A V Lo message indicates the input voltage is too low. Operation is inhibited while the V Lo message is displayed but normal operation will resume automatically when the input voltage is restored. All other speed windows will be blanked.
RFI:	The RFI message indicates the presence of an interfering signal. Operation is inhibited during an RFI indication. All other speed windows will be blanked.
PAS S:	PAS S is displayed at the end of a successful internal test cycle along with a "happy tone."
FAI L:	A FAI L message (along with fail tone) indicates that a circuit malfunction has been detected, in which case speed readings are inhibited and the unit should be removed from service and repaired. FAI L will remain in the message window until reset by being powered off.
HOT:	The HOT message is used to indicate that the counting unit is outside of its rated temperature range. After the counting unit cools down, it will automatically begin normal operation.

Remote Control Functions

MOV/STA:	<p>The MOV/STA key toggles between moving and stationary modes. A speed or a [] in the patrol window indicates moving mode, while a blank patrol window indicates stationary mode. With a VSS cable installed, the radar will automatically switch between moving and stationary modes based on the presence (or absence) of VSS pulses and [] will not be seen in the patrol window.</p> <p>After selecting moving mode or stationary mode, the operator can use the four zone keys (described below) to select two target zones to monitor (one zone on the front antenna and one zone on the rear antenna). The SAME and OPP icons display the zone selection in both moving and stationary modes. Each antenna is totally independent of the other relative to target zone selection. The stationary modes (and associated icons) for the front antenna are: stationary closing (OPP), stationary away (SAME), and stationary bi-directional (OPP/SAME). The stationary modes for the rear antenna are: stationary closing (SAME), stationary away (OPP), and stationary bi-directional (OPP/SAME).</p>
START/STOP:	<p>When in Stopwatch Mode, the START/STOP key is used to start and stop the electronic timing of the target vehicle as it enters and exits the speed measurement zone.</p>
OPP/FAST LK:	<p>FOR STATIONARY MODE - The OPP/FAST LK key is a two (2) function key:</p> <ol style="list-style-type: none"> 1. Press and hold the OPP key to turn on the corresponding transmitter (if it is in hold mode) and directly select the Opposite lane speed zone for the associated antenna. 2. While a fast target (either SAME or OPP) is displayed in the corresponding Fast Window, press the FAST LK key (actually either FAST LK key for that antenna) to lock the fast speed in the Fast Window. <p>In stationary mode, both speed zones (OPP/SAME stationary mode) are selected for an antenna when both the OPP mode key and the SAME mode key are pressed within 5 seconds of each other for either (or both) antenna.</p> <p>FOR MOVING MODE - The OPP/FAST LK key is a two (2) function key:</p> <ol style="list-style-type: none"> 1. Press and hold the OPP key to turn-on the corresponding transmitter (if it is in hold mode) and directly select the opposite lane speed zone for the associated antenna. If you press and hold the OPP key a second time, it will only beep (no action). 2. While a fast target is displayed in the corresponding Fast Window, press the FAST LK key (actually either FAST LK key for that antenna) to lock the fast speed in the Fast Window.
HOLD/LK REL:	<p>The HOLD/LK REL key is a three (3) function key:</p> <ol style="list-style-type: none"> 1. Press and hold the HOLD key to place the associated antenna (both zones for that antenna) in hold (standby) mode. HLd will be displayed in the lock window (for that antenna) and all icons and arrows, associated with that antenna will turn off (unless that antenna has a locked target). 2. Press the LK REL key normally to LOCK a strong target for the associated antenna. LOCK activation occurs with a key press. 3. Press the LK REL key normally to RELEASE any locked target (strong or fast) for the associated antenna. RELEASE activation occurs with a key release.
↑ and ↓:	<p>The ↑ key and the ↓ key (located on the HOLD/LK REL keys) are used with the MENU key to select options from the SET-UP menu.</p>
SAME/FAST LK:	<p>FOR STATIONARY MODE - The SAME/FAST LK key is a two (2) function key:</p> <ol style="list-style-type: none"> 1. Press and hold the SAME key to turn on the corresponding transmitter (if it is in hold mode) and directly select the Same lane speed zone for the associated antenna. 2. While a fast target (either SAME or OPP) is displayed in the corresponding Fast Window, press the FAST LK key (actually either FAST LK key for that antenna) to lock the fast speed in the Fast Window. <p>In stationary mode, both speed zones (OPP/SAME stationary mode) are selected for an antenna when both the OPP mode key and the SAME mode key are pressed within 5 seconds of each other for either (or both) antenna.</p> <p>FOR MOVING MODE - The SAME/FAST LK key is a two (2) function key:</p> <ol style="list-style-type: none"> 1. Press and hold the SAME key to turn on the corresponding transmitter (if it is in hold mode) and directly select the opposite lane speed zone for the associated antenna. If you press and hold the SAME key a second time, it will only beep (no action). 2. While a fast target is displayed in the corresponding Fast Window, press the FAST LK key (actually either FAST LK key for that antenna) to lock the fast speed in the Fast Window.
MENU:	<p>The MENU key is used to enter the SET-UP menu system allowing the ↑ and ↓ keys to select options from the SET-UP menu. Exit the menu system by pressing any zone key (OPP or SAME).</p>
VOLUME/TEST:	<p>The VOLUME/TEST key is a two (2) function key:</p> <ol style="list-style-type: none"> 1. The VOLUME key is used with the ↑ and ↓ keys to adjust the Doppler volume, the Beep volume, and the Voice volume. The first press of the VOLUME key will display AuD, the second press will display BEE P, and the third press will display VOI CE. The ↑ and ↓ keys are used to increase or decrease the volume of each sound. For each attribute, 0 is off and 3 is maximum volume. Two different Aud levels can be set – one associated with the moving mode and the other associated with the stationary mode. The levels are set when the radar is in the appropriate mode. When VSS is enabled, the radar will automatically switch between moving Aud level and stationary Aud level when it switches between modes. The BEE P and VOI CE volume levels remain the same in both modes. 2. Press and hold the TEST key to perform a diagnostic check on the display/counting unit and antenna. The display/counting unit will complete a processor check, memory check, and crystal check, followed by the display of speeds of 10, 35, and 65, followed by counting unit temperature display and input voltage display. A comprehensive test is also performed on each antenna by the counting unit to ensure the integrity of the antenna cable and antenna electronics. PAS S or FAI L (with tone) is indicated on the display unit after the completion of each antenna test. After PAS S is displayed for each antenna, the radar goes into a 60-second “fork mode” time interval that is used for the tuning fork tests. This “fork mode” state is indicated by decimal points being displayed in both the Front and Rear Strong Target windows simultaneously.
PS BLANK:	<p>The PS BLANK key is a dual function key:</p> <ol style="list-style-type: none"> 1. While any target speeds are locked (front, rear, or both), the PS BLANK key can be used to toggle between: 1) blanked patrol speed window, 2) front lock patrol speed, or 3) rear lock patrol speed. When toggling between a front lock condition and a rear lock condition, the patrol speed decimal point and the associated lock decimal point will flash three times together. 2. In addition, if the patrol window indicates an incorrect patrol speed, the PS BLANK key can be used to blank the patrol speed window and acquire a new patrol speed. When a VSS cable is installed, this function is not needed and is disabled.
LIGHT:	<p>This is a dual function key. With a single depression, the LIGHT key activates the remote control back light for six (6) seconds. Additional depressions of the LIGHT key toggle the display intensity through six levels of brightness, ranging from bri 1 (low) to bri 6 (high) and the bri A (automatic) position. The auto brightness function is selected with the bri A position and uses the front panel light sensor to select either full brightness for day operation or reduced brightness for night operation.</p>

STALKER® DUAL DSR SPECIFICATIONS

General Specifications

Type:	Dual Antenna Direction Sensing Moving/Stationary Doppler Radar
Operating Frequency:	33.4 GHz - 36.0 GHz (Ka-Band)
Stability:	±100 MHz (Ka-Band)
Power Requirements: (With 2 Antennas)	10.0 to 16.4 VDC. (currents are typical at 13.6 VDC): XMIT with all displays on: 1.28A XMIT with all displays off: 1.08A XMIT with moving target: 1.15A XMIT with no target: 1.11A Standby with no target: .8A
Environmental:	-30° to +70° C, 90% Relative Humidity Operating -40° to +85° C, non-operating
Display:	Triple (red, green, amber) 3-digit Light Emitting Diode (LED) for target, lock, and patrol, plus LED icons
Mechanical:	Display Unit Weight - 0.5 lb. Size - 1.65" Height, 1.05" Depth, and 5.50" Width
	Counting unit Weight - 1.6 lbs. Size - 1.65" Height, 3.90" Depth, and 5.50" Width
	Antenna Weight - 1.4 lbs. Size - 2.50" Dia. X 4.75" Length
	Remote Weight - 0.4 lb. Size - 1.00" Height, 6.20" Length, and 2.25" Width
Accuracy:	+1, -2 mph stationary, ±2 mph moving +1.6 km/h, -3.2 km/h stationary, ±3.2 km/h moving
Automatic Self-Test:	Performed every 10 minutes while transmitting
Stationary Speed Range:	12 mph to 200 mph Standard or 2 mph to 200 mph (set-up menu selectable) Stationary Fastest Speed - Same speed range as stationary speed
Moving Speed Range:	Patrol speed – Once acquired, will track to 150 mph. Acquisition speed is selectable with P.S. 5/20 key. 5 in patrol window for patrol speed acquisition speeds of 5 to 90 mph; 20 in patrol window for patrol speed acquisition speeds of 20 to 90 mph
	Opposite lane target speed – 200 mph Max closing For 5 mph patrol speed: 20 mph to 195 mph; For 70 mph patrol speed: 35 mph to 130 mph.
	Opposite lane Fastest Speed – Same speed range as opposite lane speed
	Same lane target speed – Related to patrol speed: ±70% of patrol speed within 5 mph of patrol speed. For 50 mph patrol speed: 15 → 45 mph and 55 → 85 mph. Same lane patrol speed must be greater than 15 mph

Microwave Specifications

Antenna:	Conical horn with corrective lens
Polarization:	Circular
3 db Beam width:	12° ±1°
Microwave Source:	Gunn-Effect diode
Antenna Receiver Type:	Two Direct Conversion Homodyne receivers using four low-noise Schottky barrier mixer diodes
Power Output:	10 mW minimum 25 mW nominal 50 mW maximum
Power Density:	2 mW/cm ² maximum at 5 cm from lens

Display Messages

PASS:	PASS spelled out in display with a 4-beep “happy” tone indicates the unit has just passed self-test.
FAIL:	FAIL spelled out in display with a 15-beep tone indicates a circuit malfunction has been detected, in which case speed readings are inhibited. Remove the unit from service and repair. FAIL will remain on the display until reset by being powered off.
[], SC, SA, or S_:	Indicates the radar mode of operation in the patrol speed window. [] or a speed display in the patrol window indicates moving mode radar operation. SC indicates stationary operation with display of closing targets only. SA indicates stationary operation with display of targets proceeding away from the radar unit. S_ is a mode for stationary operation which allows the display of targets in both directions.

SEn 1, SEn 2, SEn 3 or SEn 4:	SEn 1 thru SEn 4 is used to indicate the current range (sensitivity) setting . SEn 1 is minimum; SEn 4 is maximum. Opposite lane sensitivity is independent of same lane sensitivity. They are separately set.
5 or 20:	5 or 20 spelled out in the patrol window indicates the low-end patrol speed is set to either 5 mph or 20 mph
Aud 0, Aud 1, Aud 2, Aud 3, or Aud 4:	Aud 0 thru Aud 4 spelled out on the display unit indicates the current speaker volume setting. Aud 0 is off; Aud 4 is loudest.
b 0, b 1, b 2, or b 3:	These symbols are spelled out in the Patrol Speed display during the time that the audio number (Aud 3) is shown in the Target and Lock displays. The b number indicates the beep volume and is accessed by using the P.S. BLANK key.
U 0, u 1, u 2, or u 3	These symbols are spelled out in the Patrol Speed display during the time that the audio number (Aud 3) is shown in the Target and Lock displays. The u number, when displayed, indicates the state of the voice volume and is accessed by using the SQL key.
bri 1, bri 2 bri 3, bri 4, bri 5, or bri 6:	Used to indicate display brightness. bri 1 is the dimmest; bri 6 is the brightest.
Hot:	The display flashes Hot and powers down when the internal temperature exceeds specifications. Automatically resumes operating when the temperature drops.

Remote Control Functions

STRONG LOCK/REL	The STRONG LOCK/REL key alternates between the lock and the release functions for the strong target. LOCK is used to transfer the contents of the target window to the lock window. REL clears the locked contents of the lock window and the patrol window. During lock, the patrol window will lock the present patrol speed and the LOCK icon will light. The target window and Doppler audio remain active after lock.
ANT:	Used to switch between the front and rear antenna. The FRONT or REAR icon will light. A 1-beep tone corresponds to the front antenna while a 2-beep tone corresponds to the rear antenna. The counting unit can sense the presence or absence of either antenna.
XMIT/HOLD:	Toggles between xmit and hold (standby). The XMIT icon will light.
MOV/STA:	Sequences between Moving mode and three stationary modes of operation: targets closing only, targets away only and targets in either direction.
SAME/OPP:	The SAME/OPP key is used to alternate between same lane moving mode and opposite lane moving mode. The SAME icon toggles on and off to indicate same lane mode.
FAST LOCK/REL	The FAST LOCK/REL key alternates between the lock and the release functions for the fast target. LOCK is used to lock the contents of the fast window and REL clears the locked contents of the fast window. During fast lock, both the FAST icon and the LOCK icon will light and the patrol window will lock the present patrol speed. The target window and Doppler audio remain active after locking.
STOPWATCH MODE:	Toggles the unit from radar mode to stopwatch mode and back again.
S/S:	In Stopwatch Mode, the S/S (or START/STOP) key is used to start and stop the electronic timing of the target vehicle as it enters and exits the speed measurement zone.
100:	In stopwatch mode, this key can be used to change the timing distance in 100 yard increments.
10:	In stopwatch mode, this key can be used to change the timing distance in 10 yard increments.
1:	In stopwatch mode, this key can be used to change the timing distance in 1 yard increments.
SEn:	Used to adjust the range (sensitivity) at any time. Maximum sensitivity is SEn 4 ; minimum sensitivity is SEn 1 . Opposite lane sensitivity is independent of same lane sensitivity. <u>They are separately set.</u>
SQL:	The SQL key toggles the squelch override off and on. In the normal (off) position, audio will only be heard when a target is being tracked. When the Doppler audio menu is displayed, this key can be used to change the voice volume.
PS 5/20:	Used to select a low-end patrol speed of either 5 mph or 20 mph. For example: 5 in patrol window for patrol speed acquisition of 5 to 90 mph 20 in patrol window for patrol speed acquisition of 20 to 90 mph
SELF TEST:	In radar operation, performs a complete self-test on display/counting unit and the <u>selected</u> antenna. The display unit shows speeds of 10, 35, and 65 ; temperature inside the display/counting unit in °F (e.g., 110 °F); and input battery voltage (e.g., bAt 13.8); followed by " PASS " and a 4-beep "happy" tone or " FAIL " and a 15-beep tone. At the end of a successful test, the FORK icon is lit on the display to allow a measurement of non-directional speeds such as that produced by a tuning fork.
	Used to adjust the volume of the Doppler audio up or down. Aud 0 is off; Aud 4 is loudest.
P.S. BLANK:	In radar operation, this is a three function key. Used to re-acquire patrol speed. Also, blanks the patrol speed after a target speed and patrol speed are locked. Pressing the P.S. Blank key again restores the blanked speed. When the Doppler audio menu is displayed, this key can be used to change the beep volume.
	Dual function key. A single depression of the  key activates the keyboard backlight for six (6) seconds. Two rapid depressions of the  key activates the display brightness control. Additional depressions of the  key toggles the display unit's brightness from bri 1 (low) to bri 6 (high).

STALKER® DUAL SL SPECIFICATIONS

General Specifications

Type:	Dual Antenna Moving/Stationary Doppler Radar
Operating Frequency:	33.4 GHz - 36.0 Ghz (Ka-Band)
Stability:	±100 Mhz (Ka-band)
Power Requirements: (With 2 Antenna)	9.0 to 16.0 VDC. (currents are typical at 12VDC) XMIT with all displays on: 1.3A (Ka) XMIT with all displays off: 1.1A (Ka) XMIT with moving target: 1.3A (Ka) XMIT with no target: 1.2A (Ka) Standby with no target: .7A (Ka)
Environmental:	-30 to +70 C, 90% Relative Humidity Operating -40 to +85 C, non-operating
Display:	Triple 3-digit Light Emitting Diode (LED) for target, lock, and patrol, plus LED icons
Mechanical:	Display Unit Wt. - 0.5 lb. 1.65" Height, 1.05" Depth, and 5.50" Width Counting unit Wt. - 1.6 lbs. 1.65" Height, 3.90" Depth, and 5.50" Width Antenna Wt. - 1.4 lbs. (Ka) 2.50" Dia. X 4.60" (Ka) Remote Weight - 0.4 lb. .80" Height, 6.50" Length, and 2.70" Width
Accuracy:	+1, -2 mph stationary, ±2 mph moving +1.6 km/h, -3.2 km/h stationary, ±3.2 km/h moving
Automatic Self-Test:	Performed every 10 minutes while transmitting
Stationary Speed Range:	12 mph to 200 mph Standard 2 mph to 200 mph (set-up menu selectable)
Moving Speed Range:	Patrol speed - Selectable with P.S. 5/20 key: 5 in patrol window for <u>acquisition</u> of 5 to 90 mph 20 in patrol window for <u>acquisition</u> of 20 to 90 mph Patrol speed, once locked, will track to 150 mph <u>Same lane patrol speed</u> must be greater than 15 mph Opposite lane target speed - 200 mph Max closing For 5 mph patrol speed: 20 mph to 195 mph For 70 mph patrol speed: 35 mph to 130 mph. Same lane target speed - Related to patrol speed: ±70% of patrol speed to within 5 mph of patrol speed i.e. For 50 mph: 15 → 44 mph and 55 → 85 mph Fastest Speed - Same speed range as opposite lane speed

Microwave Specifications

Antenna:	Conical horn with corrective lens
Polarization:	Circular
3 db Beam width:	12° nominal
Microwave Source:	Gunn-Effect diode
Receiver Type:	Direct Conversion Homodyne using low-noise Schottky barrier mixer diode
Power Output:	10 mw min (Ka-band) 25 mw nom (Ka-band) 50 mw max (Ka-band)
Power Density:	2 mw/cm ² maximum at 5 cm from lens

Display Messages

PASS:	PASS spelled out in display with a 4-beep "happy" tone indicates the unit has just passed self-test.
FAIL:	FAIL spelled out in display with a 15-beep tone indicates a circuit malfunction has been detected, in which case speed readings are inhibited. Remove the unit from service and repair. FAIL will remain on the display until reset by being powered off.
SEn 1, SEn 2, SEn 3 or SEn 4:	SEn 1 thru SEn 4 is used to indicate the current range (sensitivity) setting. SEn 1 is minimum; SEn 4 is maximum. Opposite lane sensitivity is independent of same lane sensitivity. They are separately set.
5 or 20:	5 or 20 spelled out in the patrol window indicates the low-end patrol speed is set to either 5 mph or 20 mph
Aud 0, Aud 1, Aud 2, Aud 3, or Aud 4:	Aud 0 thru Aud 4 spelled out on the display unit indicates the current speaker volume setting. Aud 0 is off; Aud 4 is loudest.
bri 1, bri 2 bri 3, bri 4,	Used to indicate display brightness. bri 1 is the dimmest;

bri 5, or bri 6:	bri 6 is the brightest.
Hot:	The display flashes Hot and powers down when the internal temperature exceeds specifications. Automatically resumes operating when the temperature drops.
Lo V:	A Lo V message indicates the input voltage is too low. Operation is inhibited while the Lo V message is displayed but normal operation will resume automatically when the input voltage is restored. All other speed windows will be blanked.

Remote Control Functions

SAME/OPPOSITE:	The SAME/OPPOSITE key is used to alternate between same lane moving mode and opposite lane moving mode. The SAME icon toggles on and off to indicate same lane mode.
LOCK/RELEASE:	The LOCK/RELEASE key is a dual function key. This key alternates between the lock and the release functions. LOCK is used to transfer the contents of the target window to the lock window. RELEASE clears the locked contents of the lock window and the patrol window. During lock, the patrol window will lock the present patrol speed and the LOCK icon will light. The target window and Doppler audio remain active after locking.
ANT:	Used to switch between the front and rear antenna. The FRONT or REAR icon will light. A 1-beep tone corresponds to the front antenna while a 2-beep tone corresponds to the rear antenna. The counting unit can sense the presence or absence of either antenna.
XMIT/HOLD:	Toggles between xmit and hold (standby). The XMIT icon will light.
MOVING/STATIONARY:	Toggles between moving and stationary modes.
FASTEST:	Used to select <i>fastest</i> mode. A high pitched tone indicates that <i>fastest</i> mode is selected. Any power off event will reset the <i>fastest</i> mode to OFF.
SLOWER:	The SLOWER key is used to toggle between <i>fast target</i> same lane mode and <i>slow target</i> same lane mode. The SLOW icon is on for a slower target.
SEn :	Used to adjust the range (sensitivity) at any time. Maximum sensitivity is SEn 4 ; minimum sensitivity is SEn 1 . Opposite lane sensitivity is independent of same lane sensitivity. They are separately set.
SQL:	Toggles the squelch override off and on. In the normal (off) position, audio will only be heard when a target is being tracked.
P.S. 5/20:	Used to select a low-end patrol speed of either 5 mph or 20 mph. For example: 5 in patrol window for speed of 5 to 70 mph 20 in patrol window for speed of 20 to 70 mph
TEST:	Performs a complete self-test on display/counting unit and the selected antenna. The display unit shows speeds of 10 , 35 , and 65 ; temperature inside the display/counting unit in °F (e.g., 110 °F); and input battery voltage (e.g., bAt 13.8); followed by "PASS" and a 4-beep "happy" tone or "FAIL" and a 15-beep tone..



P.S. BLANK:



Used to adjust the volume of the Doppler audio up or down. Aud 0 is off; Aud 4 is loudest.
Dual function key. Used to re-acquire patrol speed. Also, blanks the patrol speed after a target speed and patrol speed are locked. Pressing the P.S. Blank key again restores the blanked speed.
Dual function key. A single depression of the key activates the keyboard backlight for six (6) seconds. Two rapid depressions of the key activates the display brightness control. Additional depressions of the key toggles display brightness from bri 1 (low) to bri 6 (high).

STALKER® BASIC MOVING STATIONARY RADAR

General Specifications

Type:	Handheld Moving/Stationary Doppler Radar
Operating Frequency:	24.15 Ghz (K-band)
Stability:	±45 Mhz
Battery Type:	7-cell 2/3 AA removable NiMH battery pack
Cell Capacity:	960 mah
Power Requirements:	Internal Battery: 7.2 VDC to 10.5 VDC; 8.4 VDC nominal Cigarette Plug coil cord: 7.0 to 18.0 VDC. (currents are typical at 12VDC without battery) XMIT with all displays and back light on: 308 ma XMIT with all displays off and back light off: 268 ma XMIT with moving target and back light: 350 ma XMIT with no target and back light: 300 ma Standby with no target and back light on: 240 ma Standby with no target and back light off: 215 ma
Environmental:	-30°C to +60°C, 90% Relative Humidity, Operating 0°C to 45°C, 90 Relative Humidity, Battery Charging -40°C to +85°C, non-operating
Display:	Back-lighted LCD with 3 speed windows (Target speed, Lock speed, and Patrol speed), 4-digit Alphanumeric status window, XMIT icon, and CHG icon
Mechanical:	Weight – 1 lb. 10 oz. with battery Height – 7.6 inches Length – 8.6 inches Width – 2.8 inches Case Material – High impact polycarbonate
Accuracy:	+1, -2 mph stationary, ±2 mph moving +1.6 km/h, -3.2 km/h stationary, ±3.2 kmh moving
Auto Self-Test:	Performed every 10 minutes while transmitting
Stationary Speed Range:	5 mph to 200 mph Standard 15 mph to 200 mph (set-up menu selectable)
Moving Speed Range:	Patrol speed - Selectable with P.S. 5/20 key: 5 in patrol window for <u>acquisition</u> of 5 to 85 mph 20 in patrol window for <u>acquisition</u> of 20 to 85 mph Patrol speed, once locked, will track to 199 mph Opposite lane target speed - 210 mph Max closing For 5 mph patrol speed: 20 mph to 195 mph For 70 mph patrol speed: 35 mph to 130 mph.

Microwave Specifications

Antenna:	Conical horn
Polarization:	Circular
3db Beamwidth:	15°
RF Source:	Gunn-Effect diode
Receiver Type:	Direct Conversion Homodyne using low-noise Schottky barrier mixer diode
Power Output:	2.5 mw minimum 5 mw nominal 10 mw maximum
Power Density:	2 mw/cm ² maximum at 5 cm from lens

Display Messages

TEST:	TEST in the alphanumeric window indicates that a self-test sequence is in process.
PASS:	PASS in the alphanumeric window indicates the unit has just passed self-test.
FAIL:	FAIL in the alphanumeric window indicates the unit has just failed self-test. Speed readings are inhibited. Remove the unit from service and repair. FAIL will remain on the display until reset by being powered off.
SEn:	Eight settings are used to adjust range and patrol speed cutoff. SEn 1 thru SEn 4 is used to indicate the current range setting. SEn 1 is minimum; SEn 4 is maximum. The right number (5 or 20) indicates the patrol speed cutoff setting. i.e. SEn 4 20 indicates maximum range with 20 mph patrol speed cutoff.
PS:	PS 5 or PS20 is shown in the alphanumeric window when using the remote to set the patrol speed cutoff.

ON:	ON is always in the alphanumeric window when the unit is powered on and no other status is displayed.
VOL:	VOL0, VOL1, VOL2, VOL3, VOL4, VOL5, VOL6, VOL7, VOL8, and VOL9 indicate the audio volume level.
SQL:	SQL+ and SQL- in the alphanumeric window indicates the squelch setting. See instructions below.
LOCK:	LOCK in the alphanumeric window indicates a speed lock condition.
REL:	REL in the alphanumeric window indicates that a speed reading was just released.
MOV:	MOV appears momentarily in the alphanumeric window when switching from stationary mode to moving mode using the remote control.
STA:	STA appears momentarily in the alphanumeric window when switching from moving mode to stationary mode using the remote.
LOW:	LOW appears in the alphanumeric window when the battery is nearing exhaustion – below 7.7 VDC
DEAD:	DEAD appears in the alphanumeric window when the battery is exhausted – below 7.2 VDC. The unit becomes inoperative.
RFI:	RFI appears in the alphanumeric window when the unit detects an interfering RF signal. The display is blanked.

Switch Definition

TRIGGER:	Press the trigger to transmit and release the trigger for hold.
PWR:	Toggles main power ON and Off.
LIGHT/TEST:	The LIGHT key toggles the LCD backlight and the keyboard backlight on and off. To perform a self test, hold down the LIGHT/TEST key until you hear the second beep. Display of TEST followed by 40 and PASS indicates a successful test. Display of TEST followed by FAIL indicates failure of self-test. A FAIL condition will disable the unit from operating.
AUDIO/SQL:	The AUDIO/SQL key may be used to adjust the volume of the speaker from low to high in 10 steps. Press the AUDIO/SQL key once to display the audio level or press repeatedly to advance. VOL 0 is off. VOL 1 is low and VOL 9 is high. Hold the AUDIO/SQL key until you hear the second beep to open or close the audio squelch. SQL + indicates squelched operation and SQL - indicates unsquelched operation.
SEN:	The SEN key may be used to adjust the range up and down at any time. Maximum sensitivity is SEN 4 and minimum sensitivity is SEN 1 . SEN 4 is the highest sensitivity. In addition, the SEN key is used to select Patrol Speed cutoff of either 5 mph or 20 mph. The 5 or 20 setting is observed in the Patrol window while stepping SEN .
LOCK/REL:	To LOCK the Target speed, press LOCK/REL once to transfer the contents of the Target speed window to the LOCK speed window. Press again to RELEASE (clear) the LOCK speed window.

Remote Control Functions (moving model only)

REL:	REL clears the locked contents of the lock window and the patrol window. During lock, the patrol window will lock the present patrol speed and LOCK will light in the Alphanumeric window. The target window and Doppler audio remain active after locking.
Ⓡ:	Press the LAMP key to activate the remote control backlight for 10 seconds.
LOCK:	LOCK causes the contents of the Target window to be transferred to the Lock window, and the Patrol window locks the present patrol speed.
MOV/STA:	Toggles between moving and stationary modes. Moving mode is indicated by either [] or a speed in the patrol window.
XMIT/HOLD:	Toggles between xmit and hold (standby).
P.S. 5/20:	Used to select a low-end patrol speed of either 5 mph or 20 mph. For example: 5 in patrol window for an acquisition speed of 5 to 85 mph 20 in patrol window for an acquisition speed of 20 to 85 mph
P.S. BLANK:	Used to re-acquire patrol speed to eliminate a shadowing condition.

STALKER[®] LIDAR SPECIFICATIONS

Operational:

Type:	Handheld Lidar offering Tracking mode, Single Shot mode, and Time/Distance mode.
Acquisition Time:	Less than .4 second
Nominal Range :	Minimum < 5 feet (1.5 meters) Maximum > 4000 feet (1200 meters)
Range Accuracy:	less than or equal to 1 foot (1 meter)
Speed Measure:	1 mph to 299 mph (± 1.6 km/h to ± 481 km/h)
Speed Accuracy:	+1 mph, -2 mph (+1.6 km/h, -3.2 km/h)
Test/Alignment mode:	Enter using the TEST key and the Trigger. Used to test Hud alignment using audio tone.
Metric Operation:	Setup menu selectable
Lidar trigger modes:	Setup menu selectable: 1. Constant trigger depression for constant XMIT 2. Separate trigger depressions to start/stop XMIT
Time/Dist. trigger mode:	Separate trigger depressions when target enters and exits speed zone
Inclement Weather mode:	Suppresses target returns from targets closer than approximately 250 ft to reduce interference from rain, fog, and snow
Remote Trigger:	Remote trigger signal available through I/O Port
Target Speed Tone:	Variable audio tone corresponding to target speed. A fast target generates a higher tone and a slow target generates a lower tone
Target Return Tone:	No tone when beam is off target; tone repetition increases as beam moves into target and return signal quality increases
Switching Output:	I/O Port signal for operation of external devices (i.e.: a camera) Toggles when speed exceeds speed signal setting
I/O Signals:	Ext. Trigger, Switch Out, Tx, Rx, Gnd, and Switched battery voltage.

Physical

Dimensions:	9.9" Height, 6.0" Length, and 4.2" Width 21.8 cm Height, 15.3 cm Length, 10.7 cm Width
Weight:	Wt with Battery Handle - 3.8 lbs (1.72 kg) Wt with Cigarette Handle - 3.0 pounds (1.36 kg)
Housing:	Metal case with rubber end caps
Shoulder Stock:	Accessory shoulder stock is available
Input Voltage Range:	Battery Handle: 6.3V to 9.0V @ 400 ma. nominal Low voltage inhibit activates between 5.7V and 6.2V Cigarette Handle: 7.5V to 16.0V @ 270 ma. nominal Low voltage inhibit activates between 6.5V and 7.2V
Low Voltage Inhibit:	Inhibits all readings while input voltage is below the low voltage inhibit level
Low Voltage Standby:	After 10 seconds of inactivity (unit not transmitting), power consumption is reduced to 63% of nominal
Input Power Protection:	Solid state automatically resettable fuse
Environmental:	-30 to +60 C, operating -40 to +85 C, non-operating
Humidity Protection:	+37 C, 90% Relative Humidity, 8 hours minimum, operating
Additional Resistance:	Dust, water, and impact
EMI:	RFI icon indicates that the unit is in a high EMI field. No false readings when the unit is subjected to Electromagnetic Interference from vehicle alternator, ignition, air conditioner/heater motor, windshield wiper motor, Police FM transceiver, and Citizen Band AM transceiver

Tripod Mount:	Female ¼ - 20 closed end nut on right side of case
I/O Connector:	Standard 6-pin I.O. connector on right side of case

Transmitter & Receiver:

Operating Wavelength:	905 \pm 10 nm Peak @ 25° C
Spectral Bandwidth:	5 \pm 3 nm FWHM
Laser Type:	MOCVD InGaAs Stacked Array Pulsed Laser Diode
Eye Safety:	FDA/CDRH CLASS 1 Laser Device (Rated Eyesafe)
Pwr. Output & Density:	TBD (meets FDA/CDRH regulations)
Pulse Width:	< 30 nsec.
Pulse Repetition Rate:	Fixed, 130 Hz (± 0.1 % at 11.04 VDC)
Beam Divergence:	< 3 \pm 0.5 mrad FWHM
Optical Design Type:	Bistatic (dual aperture)

HUD

Targeting:	Illuminated Pinpoint, keyboard adjustable intensity.
Range and Speed Data:	7-Digit (7-segment) with \pm LED display with keyboard adjustable intensity

PANEL

Display:	8-Character (7-segment) with \pm LCD display with keyboard controlled backlight
Display Clear:	Activates prior to new measurement (with depression of trigger)
Power-On Self Test:	Circuit elements tested, timing accuracy verified, and all display elements illuminated. Errors indicated by beep code.
Speed Display Lock:	Manual control (auto lock of speed and range with release of trigger)
Controls:	Polycarbonate overlay covering backlit (with LEDs) push button switches

SWITCH DEFINITION

TRIGGER: (Lidar mode)	Setup Menu Selectable: 1. Constant trigger depression for constant Xmit 2. Separate trigger depressions start/stop Xmit
TRIGGER: (time/dist mode)	Separate trigger depressions when target enters and exits speed zone
PWR:	Rear Panel switch toggles main power ON/OFF
TEST:	Performs a complete self-test
HUD Light:	Toggles the HUD intensity from low to high through six levels when pressed
SPEED/RANGE:	Used to select Tracking mode, Single Shot mode, Inclement Weather mode, and to toggle between SPEED only, RANGE only, and simultaneous SPEED and RANGE display. Used to exit from MIN, MAX, and TIME/DIST modes.
PANEL LIGHT:	Toggles both the LCD backlight and the keyboard backlight ON and OFF
AUDIO:	Used to adjust the volume of the speaker in 4 steps
TIME/DIST:	Selects TIME/DIST mode
MAX:	Used in TIME/DIST mode to display/update maximum range
MIN:	Used in TIME/DIST mode to display/update minimum range

DISPLAY MESSAGES

Err:	This message indicates that a measurement error has occurred
PASS:	This message (with "happy tone") indicates that a self-test has successfully completed

Bid Specification for DSR Stationary SPEEDBOARD

A. Purpose

The purpose of the specifications is to establish a minimum standard of quality for a Stationary radar speedboard (such as Applied Concepts PN 200-0517-00) to be used in a traffic speed control program.

B. Scope

The speedboard shall be constructed entirely of Aluminum or other corrosion resistant materials. The radar design of the speedboard shall use state-of-the-art technology including Ka-band operation with all signal processing performed by a Digital Signal Processing microprocessor allowing future software upgrades by reloading or replacing a memory module. The specifications provide for a Doppler radar that incorporates direction sensing in stationary mode.

The radar uses direction sensing to selectively measure, compute, and display the speed of only closing target vehicles.

C. Applicable Reference

The radar unit shall conform to the National Highway Traffic Safety Administration (NHTSA) "Model Minimum Performance Specifications for Police Traffic Radar Devices," and shall operate on a frequency of 33.4 to 36.0 GHz, Ka band.

D. Speedboard Bid Requirements

1. Production Model

The basic design of all equipment offered shall have been in full commercial production.

2. Performance Testing and Product Evaluation

The speedboard may be field and laboratory tested to determine its level of performance and conformity to specifications. Emphasis will be given to the speedboard's ability to reliably survive the elements while warning violators of excessive speed and alerting children in school zones and other areas that a vehicle is approaching at a dangerous speed.

3. Certification

All radar units furnished under any resulting contract shall be factory certified as to their accuracy with test procedures in conformance with the National Institute of Standards and Technology.

E. Format of Alternate Bid Response

For "alternate bids," bidder shall submit with bid a response format in the same number sequence and order as these specifications. Bidder shall state "we comply" or "we do not comply" with the requirements of each paragraph. For those paragraphs marked "we do not comply," bidder shall label bid "alternate bid" and indicate deviation from specification. If bidder's equipment exceeds any portion of specification, it should also be noted and detailed.

Note: Bidders who return only information concerning their products without following the required format may have their bid declared non-responsive.

F. Speedboard Specifications

1. All external speedboard components should be made of rust resistant materials such as: aluminum, stainless steel, or polycarbonate.
2. The speedboard enclosure should have a hinged and lockable access door to allow field access to the internal components.
3. All operator controls and settings must be located inside the speedboard enclosure.
4. The speedboard should have a top mounted carrying handle for transport.
5. The speedboard enclosure must have ventilation openings to prevent humidity build-up inside the enclosure. The ventilation openings must have screens to prevent penetration by insects.
6. All internal printed circuit boards must be conformal coated to protect against moisture.
7. All internal electronics should be mounted on inside walls with standoffs to isolate the electronics from moisture that might condense on the inside walls of the enclosure.
8. The speedboard must be available with two power options: 1) a 12VDC only model and 2) a dual voltage 12VDC/120VAC model.
9. The speedboard must offer an optional timer such as Eltec Model NTC-17E or equivalent for 24/7/365 for variable operation time periods.
10. The speedboard must offer a “quick-release” mounting bracket for pole or wall mounting.
11. Speedboard total weight not to exceed 40 pounds.
12. Speedboard enclosure size not to exceed 27” Wide x 27” High x 9” Deep.
13. Speedboard Color should be Black.
14. The LED display is covered with a non-shatter Lexan and must consist of two 14-inch tall seven-segment characters and/or three digits for metric applications.
15. To insure visibility in both direct sunlight and during night operation, the speed display shall incorporate amber AlInGaP (aluminum indium gallium phosphide) LEDs.
16. The speedboard LED display must have an auto dimming circuit that automatically dims the display for night operation.
17. To minimize power consumption, the LED display shall incorporate a 90-hertz pulse width modulated auto dimming control.
18. The speedboard should have a Violation Alert feature. The Violation Alert speed should be user programmable using thumbwheel switches and should be mounted inside a locked compartment. The 14-inch LEDs should flash when the Violation Alert speed is exceeded.
19. An optional circular Lexan Violation Strobe should be available. The Violation Alert speed should be user programmable using thumbwheel switches and should be mounted inside a locked compartment. When the Violation Alert speed is exceeded, a circular strobe lamp facing oncoming traffic should repeatedly flash - simulating photo radar. The 14-inch LEDs should flash when the Violation Alert speed is exceeded.
20. The Radar must be listed on the IACP CPL list.

21. The radar shall operate within the Ka-band at a frequency between 33.4 and 36.0 GHz.
22. The speedboard should have a control panel mounted inside the lockable cabinet for changing the radar's range. This is required to compensate for varying lengths of work/maintenance zones.
23. The antenna shall be designed for direction sensing of all target vehicles.
24. The counting unit software shall perform a Complex Fast Fourier Transform computation to obtain relative direction for each target.
25. The radar shall be accurate through its range within ± 1 MPH in stationary mode and ± 2 MPH in moving mode. The system shall truncate or round down the target speed to the nearest whole number.
26. The radar must have sufficient processing ability to track and display speeds to at least 200 MPH / 326 KPH. The speedboard will display those speeds up to 99 MPH / 326 KPH with a 3 digit metric display.
27. The speedboard will normally read vehicles from 2 MPH to 99 MPH closing.
28. The radar shall come standard with the ability to be factory set to display speeds in either English (mph) or Metric (kph) units.
29. All speedboard components shall be designed to operate and maintain calibration when operated in ambient temperatures from -30° C to $+70^{\circ}$ C and in conditions of 0 to 90% relative humidity.
30. All electrical connections shall be completely enclosed to prevent shocks and reduce shock hazard.

G. Operating Instructions and Specifications Manual

The contractor shall furnish a full and complete set of operating instructions for the speedboard.

H. Warranty and Repair Service

The manufacturer agrees to repair or replace (at its discretion) each unit that fails due to defective materials or workmanship for a period of one year for the speedboard and all of its components from the date of purchase. Bid shall indicate the name address of the nearest repair facility for the radar unit being offered and the average number of days required performing repairs.

I. Non-Restrictive Specifications

These bid specifications are non-restrictive and do not include any proprietary items, components, circuits, or devices that would preclude any speedboard manufacturer from producing a speed speedboard to meet these specifications. All technical tolerances and other specified criteria contained within these specifications are considered to be state-of-the-art and are currently being met by commercially available radar components. The fact that a manufacturer chooses not to produce a speedboard meeting these specifications should not be sufficient cause to adjudge these specifications restrictive.

J. Bid Evaluation

To insure that this department is able to maintain a speed reduction program using a speed speedboard of the highest quality that is supported by a reputable company and to guarantee that this department will get the best value for it's money, bids will be evaluated according to the grading scale below. The categories and percentages assigned to each category are as follows:

- | | |
|--|-----|
| 1. Cost | 45% |
| 2. Suitability of unit to perform it's task | 40% |
| 3. Contractor/Manufacturer support | 5% |
| 4. Ease of service, repair, and upgradeability | 10% |

SPECTRE MKIII RADAR DETECTOR DETECTOR

The Spectre RDD Mk III is a new road safety product designed to detect all "FCC Certified" radar detectors and to alert law enforcement to the presence of these devices with the end result helping to reduce speeding violations and wrecks caused by speeding motorists.

Specifications

Receiver Type:	Superheterodyne with varactor-tuned Gunn Oscillator.
Temperature Range:	0 degrees C to 80 degrees C. (operating)
Antenna Type:	Double-ridged waveguide horn with vertical polarization.
Power Requirements:	11.50 to 14.50 VDC, 12 VDC nominal. 2 amps Max. Negative to ground.
Current Draw:	300 mA standby and 500 mA Max with full display.
Enclosure Dimensions:	Length – 155 mm. Width – 90 mm. Height – 35 mm.
Weight:	450 grams.
Enclosure Material:	High impact polycarbonate.
Power Supply:	Cigarette lighter plug with shielded coaxial cable.
Signal Display:	5 LED array consisting of 3 green and 2 red LEDs with 30 dB dynamic range bargraph.
Thermal Protection:	Integral sensor with indicator and auto shut down.
Number LOs detected:	Five (5).
RFI Resistant:	Police radar, radios, computers, cell phones, and anti-collision radar.
Detection Capability:	All current FCC Certified bands for radar detectors.
Internal Components:	Solid state.
Antenna Directivity:	30 degrees either side of center line.
Audio Control:	User adjustable, 3.5 KHz audio tone. Number of tones equal to signal sensitivity, the stronger the target signal the faster the tones.
RF Input:	Multi-band, double-down conversion superheterodyne receiver with two IF frequencies, the second being 10.7 MHz.
Operating Frequency:	10 GHz to 25 GHz.
Sensitivity:	-110 dBm @ 25 GHz typical.
Self Interference:	Can be operated in close proximity to other Spectre RDD Mk IIIs.
Radar Interference:	Can be mounted and operated in same vehicle with any standard US frequency speed traffic radar.
RFI Detector:	920 MHz center frequency with 4-second hold time and auto mute.
Low Volt Detector:	Warning indicator with auto mute @ 11 VDC or less.
Gain Control:	< 30 dB with low gain warning indicator.
Test:	Performs complete internal test on power up.
Mounting:	Suction cup, bottom mount, and permanent glass mount.
Warranty:	One-year parts and labor.

Specifications are correct at time of writing. Specifications subject to change without notice.