



Silent Advisor Radar Speed Trailer RST-V-2000

USES AND ADVANTAGES

A combination speed limit and radar speed trailer, the "Silent Advisor" Radar Speed Trailer - Variable (RST-V-2000) is ideally suited for Smart Work Zones, where implementing a variable speed limit will aid in traffic calming.

Easy to transport, set up and program, the speed limit LED display can be set at a fixed speed, or programmed to change depending on the flow of traffic.

The upper and lower speed thresholds can be programmed to flash or show a blank screen when excessive or extreme speeds are registered.

The speed limit LED display measures 31" wide.
The radar speed LED display measures 36" wide.

Data collection is built-in for easy analysis of statistics.

OPTIONAL REMOTE COMMUNICATIONS

Remote communications option includes a GPS receiver, a cellular transceiver and **FREE lifetime cellular service***.

Use with SolarTech's Command Center software for remote data retrieval – view the speed data from your laptop, PC or Smartphone.



EASY-TO-USE CONTROLLER

The touch-screen controller needs no manual - it's that easy to use! Includes:

- Three speed thresholds: Over speed, Excessive speed, Extreme speed
- Displays MPH or KPH
- Simple one page user interface
- Password Protection
- Fully networkable
- NTCIP version 3 compatible

SILENT ADVISOR FEATURES:

- Dual LED Displays
- Variable Speed Limit Display
- Truly Solar Powered - Engineered for continuous operation
- Brightest, Most Visible Display - Legible messages under all conditions
- Sign Panel Failsafe System - Automatically detects and corrects errors and faults
- CE Marked - Ensures complete electromagnetic compliance for superb reliability
- Custom Sign Case and Door Frame Extrusions - Sturdy, secure and weathertight
- Modular Construction - Easy maintenance and repair



Silent Advisor RST-V-2000

DISPLAY

SPEED LIMIT DISPLAY

Speed Limit Sign	48" w x 60" h (122 cm x 152 cm)
Work Zone Sign	48" w x 12" h (122 cm x 30cm)
Panel Size	36" x 29" (92 cm x 74 cm)
Display Area Size	31" x 21" (79 cm x 53.3 cm)
Panel Construction	All aluminum, modular construction
Matrix Size	7 x 12 pixels
Pixel Size	2.6" x 2.6" (66 mm x 66 mm)
Number of Digits	Two
Character Height	18" (45.7 cm)
Display Technology	LED (white)
Display Life Expectancy	10 years typical
Lifting Mechanism	1,000 lb. capacity winch and cable
Viewing Angle	>60°

RADAR SPEED DISPLAY

Panel Size	36" x 29" (92 cm x 74 cm)
Display Area Size	30" x 23" (76.2 cm x 58.5 cm)
Panel Construction	All aluminum, modular construction
Matrix Size	9 x 12 pixels
Pixel Size	2.60" x 2.60" (66 mm x 66 mm)
Number of Digits	Two (2)
Number of Fonts	Two (2)
Character Height	18" (46 cm) standard font; 23.3" (59 cm) bold font
Display Technology	LED (amber, 592 nm)
Display Life Expectancy	10 years typical
Viewing Angle	>60°

TRAILER

Length Overall (operating)	122" (310 cm)
Length Overall (towing)	138" (351 cm)
Width Overall	75" (191 cm)
Width Across Fenders	75" (191 cm)
Height Traveling	96" (244 cm)
Ground Clearance	13" (33 cm) min.
Height Operating	156" (396 cm)
Weight	1,600 lbs (725 kg) approximately
Coupler	2" (50 mm) ball or 3" (76.2 mm) pintle ring
Axle/Suspension	Torq flex, independent
Display Height	7 feet (214 cm) to bottom of LED display

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low power solid state
Console Touchscreen	Weather-resistant, backlight, full-color GUI, intuitive icon-driven, multi-lingual
Programming Software	Proprietary with automatic remotely managed upgrades (field upgradable for units not connected to Command Center)
Message Display Time	User-selectable (0.1 to 99 seconds)
Display Update Time	Instantaneous
Non-Volatile Memory	16 GB Micro SD card
Password Protection	User-selectable, multi-level
Operator Interface	Easy-to-use icons (no manual required)
Connectivity	Supports NTCIP version 3 via UDP/IP over Ethernet, and PMPP over RS-232; Units with Remote Communications Option: UDP/IP over the built in modem

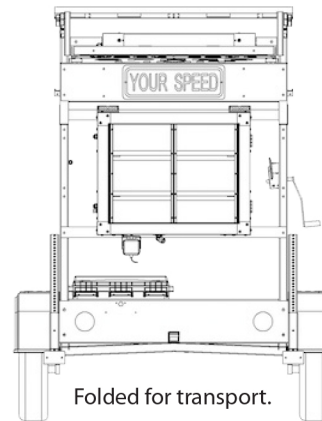
ENERGY SOURCE

Operating Voltage	12 volts DC (nominal)
Battery Type	6 Volt heavy duty, deep cycle (GC-2)
Number of Batteries	Four (4) lead acid (flooded)
Battery Bank Capacity	520 amp hours
Battery Status Indicator	Displays battery voltage, charging activity and low battery condition
Solar Array Construction	Top mounted in aluminum frame
Solar Array Power Output	Standard 160 watt (nominal)
Solar Charge Controller	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)



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P/N 500-009-210 Rev C 2022



Folded for transport.

RADAR DETECTOR

Operating Frequency	24.150 GHz (K-Band)
Antenna Beam width	9° vertical x 18° height
Target Speed Range	1 to 205 MPH (2 to 331 KPH)
Speed Accuracy	+/- 0.5% reading
Detection Distance	1,500 feet
Units	MPH or KPH (user-selectable)

OPTIONS AND UPGRADES

REMOTE COMMUNICATIONS

Includes GPS receiver, cellular transceiver, and FREE cellular service. Remotely access and track your RST-V-2000. *With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.

SOLAR ARRAY OPTION

- 220 watt

BATTERY UPGRADES

- Four (4) maint. free (Gel Cell or AGM), 780 amp/hour capacity
- Six (6) lead acid (flooded) or maint. free (Gel Cell or AGM), 780 amp/hour capacity
- Eight (8) lead acid (flooded) or maint. free (Gel Cell or AGM), 1040 amp/hour capacity

BATTERY CHARGER OPTIONS

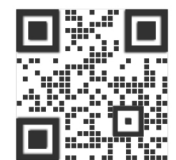
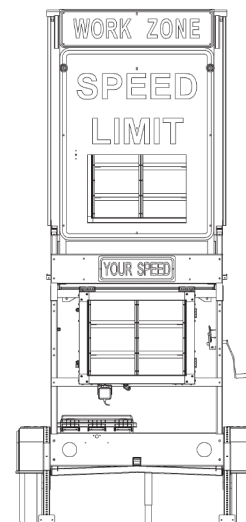
- 45 amp, 120 volt AC
- 55 amp, 120 volt AC

FLASHING LED'S OPTIONS

- Flashing blue and red LED's positioned above the "Your Speed" LED display. Notify motorists traveling above desired speed threshold.

SECURITY OPTION

- Anti-theft steel security frame bolted to trailer
- Vandal-Proof Battery Box reinforced steel cage



SCAN ME

Custom colors available



www.solartechnology.com

Made in the USA