

Silent Advisor Radar Speed Trailer

USES AND ADVANTAGES

The "Silent Advisor" Radar Speed Trailer is a radar speed display available in two sizes for use on highways or on residential streets. These portable radar speed displays are designed to slow traffic for safety in neighborhoods, work zones, road construction and other venues.

Both the RST 1000 and RST 2000 Silent Advisors consists of a fixed Speed Limit sign and an LED display, powered by a combination of solar panels and batteries.

The RST 1000, designed for lower speed use, is 56" wide with stacked speed limit and LED speed displays.

The RST 2000 is designed for highway use, and is 75" wide with signs mounted side by side.

Data collection is built-in for easy analysis of statistics. The signs come with an integrated GPS receiver, a cellular transceiver and **FREE lifetime cellular service** for remote data retrieval – view the speed data from your office.



SILENT ADVISOR FEATURES:

- 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 - Insures complete electromagnetic compliance for superb reliability
- Custom Sign Case and Door Frame Extrusions - Sturdy, secure and weathertight
- Modular Construction - Easy maintenance and repair



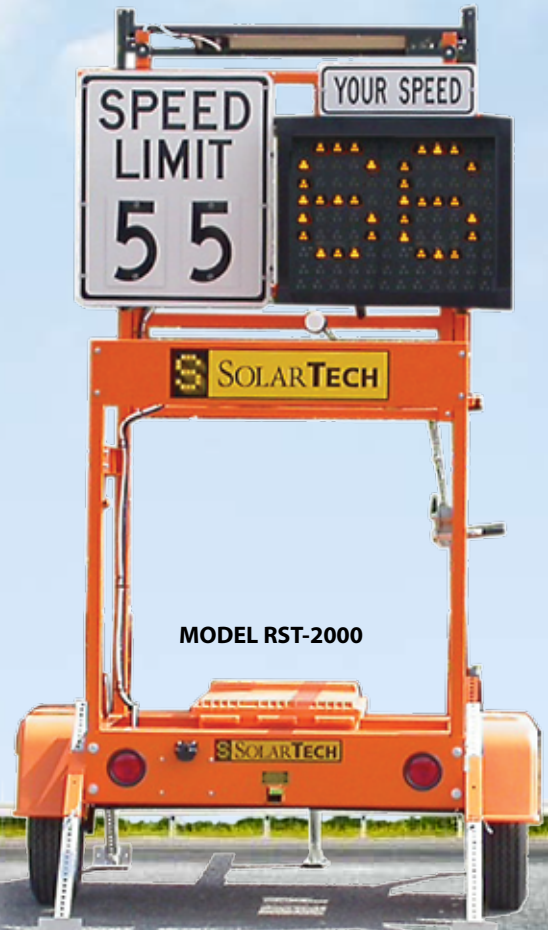
EASY-TO-USE CONTROLLER

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

- GPS receiver, cellular transceiver and free cellular service for the life of the board
- Three levels of speeding: Over speed, Excessive speed, Extreme speed
- Simple one page user interface
- Fully networkable
- Automatic software upgrades



MODEL RST-1000



MODEL RST-2000

Silent Advisor Radar Speed Trailers



DISPLAY

Panel Size	36" x 29" (92 cm x 74 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.....	Up to three (3) - (1st digit as "1")
Number of Fonts	Four (4)
Character Height.....	18" (46 cm)
Display Technology.....	LED (amber, 592 nm)
Display Life Expectancy.....	10 years typical
Lifting Mechanism.....	1,000 lb. capacity winch and cable
Viewing Angle	>30°

TRAILER

	RST-1000	RST-2000
Length Overall (operating)	75" (191 cm)	112" (284 cm)
Length Overall (towing)	117" (297 cm)	112" (284 cm)
Width Overall	56" (142 cm)	75" (191 cm)
Width Across Fenders	56" (142 cm)	75" (191 cm)
Height Traveling	90" (229 cm)	92" (234 cm)
Ground Clearance	13" (33 cm) min.	13" (33 cm) min.
Height Operating	129" (328 cm)	142" (361 cm)
Weight	(both) 1,160 lbs (526 kg) approximately	
Coupler	(both) 2" (50 mm) ball or 2.5" (64 mm) pintle ring	
Axle/Suspension	(both) Torq flex, independent	
Display Height	RST-1000: 3.5 feet (107 cm) to bottom of LED display RST-2000: 7 feet (214 cm) to bottom of LED display	

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low power solid state
Console Touchscreen	Waterproof, backlit, 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 Capacity	Pre-programmed and user-defined (> 250 each)
Message Display Time	User-selectable (0.1 to 99 seconds)
Display Update Time	Instantaneous
Non-Volatile Memory	4 GB Micro SD card
Password Protection	User-selectable, multi-level
Operator Interface	Easy-to-use icons (no manual required)
Connectivity	Supports NTCIP version 2 via UDP/IP over Ethernet, UDP/IP over the built-in cellular modem, and PMPP over RS-232.
Remote Control.....	Embedded cellular transceiver with free cellular service and fleet management software included
GPS	Integrated GPS receiver

ENERGY SOURCE

Operating Voltage	12 volts DC (nominal)
Battery Type	6 Volt heavy duty, deep cycle (GC-2) protected by anti-theft steel security frame and hardware
Number of Batteries.....	Two (2) lead acid (flooded)
w/Auxiliary Battery Pack.....	Four (4) lead acid (flooded)
Battery Bank Capacity	260 amp hours
w/Auxiliary Battery Pack.....	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 40 watt (nominal)
Solar Charge Controller.....	Automatic, temperature compensated

SPEED LIMIT SIGN

Panel Size	30" wide x 36" high (77 cm x 92 cm)
Panel Construction.....	All aluminum, Type III Coated
Numerals	First Digit - 1, 2, 3, 4, 5, 6 or 7 Second Digit - 0 or 5
Sign Height.....	7 feet (214 cm) *Both Units

RADAR DETECTOR

Operating Frequency.....	24.150 GHz (K-Band)
Antenna Beam width	12 degrees circular
Capture Angle	16.5 degrees
Target Speed Range	5 to 199 MPH (8 to 199 KPH)
Speed Accuracy	1 MPH typical
Detection Distance.....	1,500 feet
Units.....	MPH or KPH (user-selectable)

OPTIONS AND UPGRADES

LARGER SPEED LIMIT SIGN SIZES

RST-1000:	36" w x 48" h (92 x 122 cm)
RST-2000:	48" w x 60" h (122 cm x 153 cm)

BATTERY UPGRADES

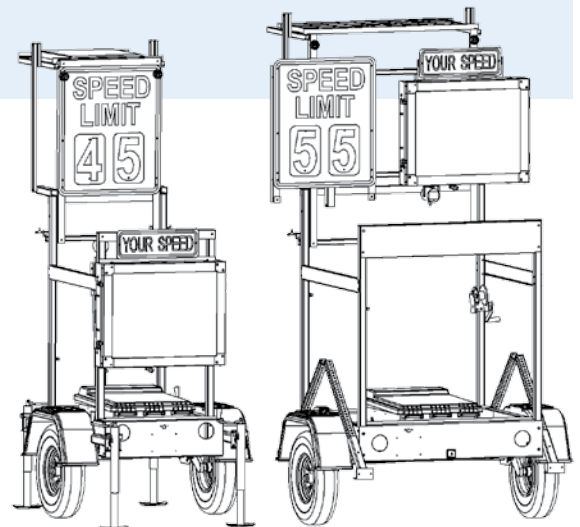
- Four (4) lead acid (flooded) (520 amp/hour capacity)
- Two (2) maint. free (Gel Cell or AGM) 260 amp/hour capacity
- Four (4) maint. free (Gel Cell or AGM) 520 amp/hour capacity

BATTERY CHARGER OPTIONS

- 45 amp output (120 volt AC 60 Hz - input)

SECURITY OPTION

Vandal-Proof Battery Box reinforced steel cage



Custom colors available



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