



ONSITE™ | 300

06/07/06

TECHNICAL SPECIFICATIONS

TRAILER

Frame:	Constructed of 4" channel formed from 10-gauge hot rolled steel. "Open" channel frame design eliminates places for water to be trapped in areas not treated by paint. The "C" channel open design reduces the chances for corrosion and rusting.
Finish:	"Ford Z1" White Powder Coat that is solvent and graffiti resistant. All metal is pre-treated with phosphate spray before primer.
Storage Box:	36" x 30" x 14" tall removable, weather tight storage box bolted to the frame, with a rubber automotive weather strip to seal the lid. The box has one paddle type latch that is locked by a key. Two 25 lb. struts support the lid. It contains 2 (4 optional) 6V 225 AH batteries, a battery charger with a voltmeter showing battery condition, a LVD (Low Voltage Disconnect) circuit, and a control panel.
Removable Tongue:	Equipped with a 2" ball coupler, safety chains and a connectorized wiring cable. The Tongue is 42 inches long and easily attaches to the frame with two 5/8-diameter receiver tube pins. The wiring cable plugs into the trailer's wiring harness to connect it to the vehicle. The tongue can be removed and turned over to prevent theft.
Leveling Jacks:	Four zinc plated 10" adjustable swivel "bull dog" style jacks mounted to each corner of the trailer for leveling and adjusting the height of the unit. Adhesive pads are placed on trailer where legs fold to prevent paint and surface damage from direct metal-to-metal contact.
Wheel Lock:	6 ft steel cable with padlock
Suspension:	Leaf Springs.
Tongue Weight:	35 lbs.
Axle:	One 900 lb. axle.
Tires:	4.80-12, 2 plies
Wheels:	12" Rim White Paint
Fenders:	Enclosed fenders constructed of 14-gauge steel to protect the storage box and display unit while in transit.
Hardware:	All exposed hardware and hinges are stainless steel or zinc plated.
Lights:	Meets all D.O.T requirements including turn signals, rear brake lights and taillights. Taillights are encased into the fender of the trailer providing extra protection. The trailer also has a license plate holder and light with four amber reflectors. Wiring is provided via a standard 4-prong flat plug connector.
Physical:	Length 106 inches including the tongue

Height: (with display sign lowered) +/- 36 inches
(with display sign raised) +/- 82" to top of display box, 88" to top of speed limit sign

Width: +/- 54".

Weight: 800 lbs. GVW

Speed Limit Sign: Attached to the rotating frame below the display box. Speed Limit Sign is 24" x 18' with 7" changeable numbers, (0,1,2,3,4,5,6,7,8,9). Material is .080 Aluminum Engineering Grade Sheeting.

"YOUR SPEED" sign is attached to the top of display box. (6" x 24")

DISPLAY

Type and Size: Two-digit, 18", amber, wide angle LED display with auto dimming (2.5-digit optional).

Violator Alert: 0-99 push-wheel setting. Speed flashes when exceeded.

Over Speed Cutoff: 0-99 push-wheel setting. Speed will not display above pre-set limit.

Display Opening: Covered with 3/8" thick impact tinted shatterproof Lexan

Internal Test Mode: Cycles through 1-99 to insure system is operating properly.

Light Test: Displays "88" to insure all LEDs are operating properly.

Power Supply: The battery bank has a capacity of 225 amp-hours at 12VDC. Two 6VDC deep cycle batteries wired in series to obtain 12V. On-board 12VDC 20-amp battery charger is ready to plug into 110VAC commercial power source to re-charge the batteries.

Battery Life: A continuous draw using LED's and Radar will last 7 days*. (* Varies on applications)

Re-Charging System: Professional Battery Charger with LED status lights. Charges each battery independently with independent shut off when fully charged. An 110V-covered receptacle is located on the curbside of the storage box for connecting an extension cord for re-charging.

Physical: Display unit is contained in a 28" wide X 2.50" thick X 22" high steel box, mounted on a rotating frame that folds down for travel. Rotating frame provides mounting of the display box and speed limit sign.

Control Panel: The display's control panel is located inside the storage box. The control panel includes switches for Power On/Off, Violator Speed Select, Over Speed Cut Off Select, Internal Test Mode, and Light Test Mode.

RADAR (SI-3)

Type: The Radar is an approach-only antenna, which tracks vehicles moving only toward the OnSite 100. It displays the strongest of the faster moving vehicles.

Frequency: K-band 24.150 GHz +/- 50 MHz

Beam Width: 12°

Detection Range: 1500'

Accuracy: +/-0.1 MPH

Speed Sign Size: The speed sign is 24" high X 18" wide.

Characters: The speed limit exchangeable numbers are 7" High X 5" Wide.

Material: The speed sign and characters are constructed of Aluminum

Interface Capability:

The SI-3 in the OnSite 100 is compatible with the Decatur Electronics EZ-Stat traffic statistics program. Ask your salesman for more information.

Options:

The following options may be added to the ONSITE 300 Radar Trailer

- Anti-Theft Motion Alarm with remote control
- EZ Stat Pak (radar based data logger)
- Metro count Statistical Package (utilizes rubber hoses across the roadway)
- LED Flashing Emergency Lights to flash with Violation*
- 24-hour timer (turns power to unit on/off at preset times)
- Spare tire and wheel
- Battery Upgrade to Four Batteries and Two Re-chargers
- Locking Lug Nut
- Protective Cover

Note: These are options from the OS350. Options for the 300 must be determined.

