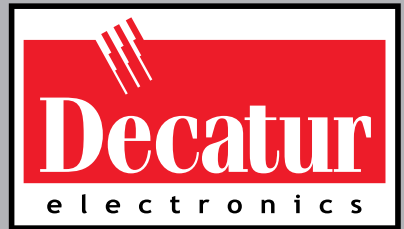


# Technical Specifications

OnSite 300MX™  
Radar Speed Trailer



www.DecaturElectronics.com  
Phone: 800.428.4315

General Specifications	
Type	2" Ball Bumper Pull
Display	25" X 19" Display With High Intensity White LEDs, Matrix Size 64 X 48 Pixels
Power	12 VDC power supply
Speed Range	5 - 150 mph (8 - 241 km/h)
Radar Type	SI-3C™, K-band
Finish	White powder coat
Construction	Formed 11-gauge 1008 cold rolled steel
Weight (w/o options)	500 lbs (226.796 kg)
Environmental	SI-3C™, -22°F to +158°F (-30°C to +70°C)
Safety	Meets all US D.O.T. safety standards for highway use

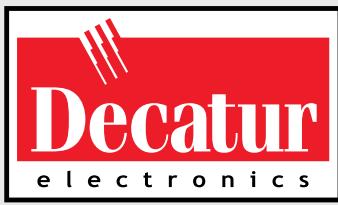
Detachable Speed Limit Sign	
Features	Meets all D.O.T. requirements
Dimensions	24" (H) x 18" (W) (60.96 cm x 45.72 cm)
Numbers	7" (H) x 5" (W) (17.78 cm x 12.7 cm) Interchangeable

Battery Box	
Dimensions	12" (H) x 14.5" (W) x 33" (L) (30.48 cm x 36.83 cm x 83.82 cm)
Capacity	3.32 cubic feet
Characteristics	Vented, Bolted
Contents	Contains the batteries & charging system

Mechanical	
Length	103" (261.62 cm) including the tongue. 87" (220.98 cm) without
Minimum Height	41" (104.14 cm) with display lowered
Maximum Height	86" (218.44 cm) with display frame raised
Width	58" (147.32 cm)
Lift	Two (2) 120 lb gas-lift struts used to lift the display

Electrical	
Power Source	Two (2) 6 VDC deep cycle marine batteries wired in series to form one (1) 12 VDC battery bank with option to add two (2) additional batteries.
Capacity	232 Amp-hours (1 battery bank)
Charging System	110 VAC automatic battery chargers with boost and float features
PV Charge Controller	3-stage photovoltaic charge controller for voltage regulation & low voltage disconnect of battery banks
110VAC Connection	Located on the curb side of the battery box (back)

Display	
Cabinet Dimensions (with "Your Speed" sign)	32" (H) x 27" (W) x 7" (D) (79 cm x 69 cm x 18 cm)
Display Matrix	MUTCD 2009 compliant (California MUTCD 2014 compliant with amber display)
Matrix Size	64 x 48 pixels
Text	2 or 3 lines, 5 1/2" tall characters
LEDs	High output LEDs, white (amber upon request)



# Technical Specifications

OnSite 300MX™  
Radar Speed Trailer

Microwave	
Type	SI-3C™ (K-band)
Accuracy	± 1 unit of measure (± 1 mph, ± 1 km/h)
Beam Width	12° (Hor.) x 24° (Vert.)
Detection Distance	Adjustable through 3 settings
Direction	Approach only
FCC Identifier	VECDF6
Compliance	FCC Part 15
Frequency	24.125 GHz nominal, (K-Band)
Polarization	Linear
Output Power (EIRP)	+ 20 dBm
Sidelobe Rejection	10 dB typical

Frame	
Construction	Formed from 11-gauge 1008 cold rolled steel.
Dimensions	37" (H) x 56" (W) x 105" (D) 93.98 cm x 142.24 cm x 266.7 cm) during transport
Finish	White powder coat
Suspension	900 lb (408.23 kg) torsion springs
Leveling Jacks	Four (4) 10" (25.4 cm) travel, 2000 lb ( adjustable swivel jacks mounted to frame
Lights	Meets all D.O.T. requirements for turn signals, brake, tail & license plate lights
Fenders	High-density polyethylene material - corrosion proof and impact resistant
Tongue	42" (106.68 cm) long with 2" ball coupler. Removable
Tongue Weight	80 - 100 lbs (30 - 45 kg) (Based on optional batteries & solar panel
Wheels - Rims	12" one-piece white

Options	
Solar Panel Kit	S792-605A-0
Traffic Cone Holder Kit	S792-610-0
Pelican Case Kit	S792-607-0
24/7 Programmable Timer	P792-69-0
EZ Stat Data Logger	S792-625-0
Bluetooth	S792-627-0
Weatherized Padlock w/Key	P075-4
Locking Wheel Nuts	S792-658
Tail Light Violation Flasher Harness	S769-79266-0
Amber High Visibility LED Flasher	P792-39A
Blue High Visibility LED Flasher	P792-39B
Red High Visibility LED Flasher	P792-39R
White High Visibility LED Flasher	P792-39W
10 Ft. Black Extension Cord (16/3)	P792-4
Extra Battery Kit	S792-632C-0
12 Ft. Red Vinyl Cable w/Loops	S792-21

