

Technical Specifications

OnSite 200M™
Radar Speed Display
Revision 13-04



SONCELL NORTH AMERICA
A PUBLIC SAFETY COMPANY



www.DecaturElectronics.com
Phone: 800.428.4315
Outside USA: 217.428.4315

Decatur Electronics
3433 East Wood Street
Phoenix, AZ 85040

General Specifications	
Type	2-Wheel dolly/display
Accuracy	100% accurate with a display resolution of ± 1 unit of measure (± 1 mph, ± 1 km/h)
Controls	On/off switch, violator & cutoff pushwheel switches, test push button switch located inside the control box
Environmental	SI-3™, -22°F to +158°F (-30°C to +70°C)
Features	Easy movability due to 10" tires, DSP, 32 bit processing, four (4) Megabit memory, violation LED and a "Your Speed" sign (Optional programmable timer and 2 High Visibility LED violation flashers)
Frame	2.5" x 1.5" (6.35 cm x 3.81 cm) open "C" channel
Ports	RS232, optional EZ Stat™ data logger
Power	12 VDC (Up to 4 batteries)
Radar Type	SI-3™, K-Band
Standard Warranty	One-year parts & labor

Mechanical	
Construction	Frame is formed from 12-gauge hot rolled steel, open "C" channel design. Battery box is formed from 14-gauge hot rolled steel. Display box is 5052/H32 aluminum
Dimensions	58" (H) x 28" (W) x 24" (D) (147.32 cm x 71.12 cm x 60.96 cm)
Finish	White powder coat over epoxy primer
Weight	160 lbs (72.575 kg) (With one battery installed)
Wheels	10" tires

Display	
Cabinet Dimensions	22" (H) x 28" (W) x 2.75" (D) (55.88 cm x 71.12 cm x 6.985 cm)
Display Format	Two (2) conformal coated, 18" (45.72 cm), seven segment, amber high intensity LED display boards for mph. (2.5 display boards for km/h)
Display Dimensions	18" (H) x 22.5" (W) - (2 digits) (45.72 cm x 60.96 cm) - 2.5 digits)
LEDs	High Intensity amber, 100° view angle
Minimum Luminosity	3000 mlm (mililumen), readable from 1000 ft (304.8 m)

Signs	
Your Speed	"Your Speed" sign. Mounts above the display
Dimensions	7.5" (H) x 24" (W) (5.08 cm x 25.4 cm)
Mounting Hardware	Hardware Included

Storage Box	
Dimensions	9.25" (H) x 24.625" (W) x 10.5" (D) (23.495 cm x 62.5475 cm x 26.67 cm)
Battery Box	Contains the batteries and charging system

Electrical	
Power Source	Up to (4) four 12 VDC, 35 AH sealed lead acid batteries
Capacity	140 AH with 4 batteries
Charging System	110 VAC automatic battery charger with boost and float features
110VAC Connection	Located on the back of the storage box



Technical Specifications



SONCELL NORTH AMERICA
A PUBLIC SAFETY COMPANY

OnSite 200M™
Radar Speed Display
Revision 13-04

Microwave (FCC part 15 and IC RSS-210 compliant)	
Type	SI-3™ (K-band)
Accuracy	100% accurate with a display resolution of ±1 unit of measure (±1 mph, ±1 km/h)
Beam Width	12° nominal
Detection Range	3,000 ft. maximum (0.914 km) (Default is 1,500 ft (0.46 km))
Direction	Approach only (toward)
FCC Identifier	HTR-SI3
Industry Canada Identifier	SI-3
Frequency	24.150 GHz nominal
Polarization	Linear (Vertical)
RF Power	120.4 dBuV/m @ 3m (peak)
Antenna Gain	20 dBi
Speed Range	5-150 mph (8 - 241 km/h)

Detachable Speed Limit Sign (Option) S792-522-0	
Features	Meets all D.O.T. requirements. Aluminum construction
Dimensions	24" (H) x 18" (W) (60.96 cm x 45.72 cm)
Numbers	7" (H) x 5" (W) interchangeable (17.78 cm x 12.7 cm)

Additional Options	
24/7 Programmable Timer	S792-527A
EZ Stat Data Logger	S792-625-0
100's Digit Upgrade Kit	S792-661A-0
Weatherized Padlock w/Key	P075-4
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	S792-632B-0
12 Ft. Red Vinyl Cable w/Loops	S792-21

