

# Technical Specifications

OnSite 200MX™  
Radar Speed Display



SONCELL NORTH AMERICA  
A PUBLIC SAFETY COMPANY



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10729 Wheatlands Ave.  
Santee, CA 92091

General Specifications	
Type	2-Wheel dolly/display
Accuracy	100% accurate with a display resolution of $\pm 1$ unit of measure ( $\pm 1$ mph, $\pm 1$ km/h)
Controls	On/off switch, test button, menu control switch
Environmental	SI-3™, -22°F to +158°F (-30°C to +70°C)
Features	Easy movability due to 10" tires, "Your Speed" sign included, MPH or km/h selectable, preloaded graphics, selectable brightness control. (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-3C™, K-Band
Standard Warranty	Two years 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 primer
Weight	160 lbs (72.575 kg) (With one battery installed)
Wheels	10" tires

Display	
Cabinet Dimensions	32" (H) x 27" (W) x 7" (D) (79cm x 69cm x 18cm) (with "Your Speed" sign)
Text	2 or 3 lines, 5 1/2" tall characters
Numbers	3 digits, 19" tall
LEDs	High Intensity white (amber available upon request)
Compliance	MUTCH 2009 compliant (California MUCD 2014 compliant with amber LEDs)
Front Window	Lexan® solar grade plastic front, 0.177" thick with a non-glare finish

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



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Microwave (FCC part 15 )	
Type	SI-3C™ (K-band)
Accuracy	100% accurate with a display resolution of ±1 unit of measure (±1 mph, ±1 km/h)
Beam Width	12° Horizontal x 24° Vertical
Detection Range	Adjustable, 3 settings
Direction	Approach only (toward)
FCC Identifier	VECDF6
Industry Canada Identifier	SI-3
Frequency	24.125 GHz nominal
Polarization	Linear
Output Power (EIRP)	+20 dBm
Sidelobe Rejection	19 dB typical

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	P792-60-0
EZ Stat Data Logger	S792-625-0
12 Ft. Red Vinyl Cable w/Loops	S792-21
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

