

Technical Specifications

OnSite 200™
Radar Speed Dolly
Revision Date 6-10-09



Certified ISO 9001

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715 Bright Street
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General Specifications	
Type	2-Wheel dolly
Controls	On/off switch, violator & cutoff pushwheel switches, test push button
Display	18" seven (7) segment, high intensity LED boards
Environmental	SI-3, -22°F to +158°F (-30°C to +70°C)
Features	8-day average operation time between recharges* (@ 8 hrs. per day). Easy movability due to 10" pneumatic tires.
Finish	White powder coat finish
Frame	2.5" x 1.5" (6.35 cm x 3.81 cm) open "C" channel
Ports	Data Logger, RS232
Power	12 VDC battery
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. Storage box is formed from 14-gauge hot rolled steel.
Dimensions	58" (H) x 28" (W) x 24" (D) (147.32 cm x 71.12 cm x 60.96 cm)
Finish	Graffiti & chemical resistant white powder coat finish
Weight	160 lbs (72.575 kg)
Wheels	10" Pneumatic 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)

Detachable Speed Limit Sign	
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)

Storage Box	
Dimensions	9.25" (H) x 24.625" (W) x 10.5" (D) (23.495cm x 62.5475 cm x 26.67 cm)
Features	Lockable paddlatch
Seal	Rubber automotive weatherstrip
Storage Box	Contains the electrical system, power on/off switch, Violator and Speed Cut Off pushwheel switches, test push switch and EZ-STAT data logger port.



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Electrical	
Power Source	Two (2) 12 VDC, 12 AH sealed lead acid batteries
Capacity	24 AH
Charging System	110 VAC automatic battery charger with boost and float features
110VAC Connection	Located on the back of the storage box.

Microwave	
Type	SI-3
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	HTRCR-1KD
Frequency	24.150 GHz nominal
Polarization	Linear
Power Density	≤ 1 mW/cm ²
Power Output	7 mW nominal
Speed Range	5-150 mph (8 - 241 km/h)

