9" Driver Feedback Value Sign Spec Sheet

Feature	Specifications
LED and Radar Components	
Speed Display Height	9" digital display
Configuration	Seven-Segment Display
"YOUR SPEED" Legend	3" high highway gothic font (MUTCD compliant)
LED, 1/2 Cone Angle	Amber (590nM); ½ Angle 15°; Rated 100,000 hours; 20,000 CDA/ M^2, Auto Dimming employed
Amber LED on Axis Intensity	20,000 CDA/SQ meter
Sign Legibility	Viewable range: 750 feet, legible range: 450 feet
Speed Resolution and Range	Min 1 mph, Max 60 mph in 1 mph steps (min 8 kph, max 159 kph in 1.6 kph steps)
Radar Specification and Range	K-band (24.15GHz) direct sensing, license free (FCC part 15 compliant), average range at 450 feet (plus 400' or minus 100' depending on vehicle size)
Materials and Construction	
Chassis Size/Total Weight	18" width x 24" height x 1-7/8" depth, 20 pounds with bracket
Front Face Sheeting	3M™ Diamond Grade™, high visibility prismatic, long life protective sheeting
Sign Face Color	White, fluorescent yellow-green, with additional colors optional
Sign Mounting Construction	1/8" thick aluminum brackets and face, standard 3% tilt bracket configuration, Flat mount brackets optional
Vandal Resistant Construction	Sealed electronics box (ECS) 1/16" thick aluminum enclosure attached to a 1/8" thick mounting plate. The ECS is removable from the chassis as a complete unit.
	3/16" high impact polycarbonate face with high contrast mask, anti-glare graffiti and sunlight resistant
	Provisions for padlocking in place are provided
	Standard DOT powder coat green color with additional colors optional
Electronics Enclosure Rating	Weatherproof, NEMA 3R
Mounting	Quick detachable mount (lockable). Mount capable of being bolted or banded to a 2" Square pole, U-channel pole, 2½ or larger round pole, or flat surface.
Electrical Specifications	
Power Requirements	12VDC, low standby: average day at 8.5W, average night at 1.5W
Voltage Requirements	9V-30VDC, 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC, startup at 12.3VDC)
Solar Package	Comes complete with a 20 Watt Polycrystalline panel, rack, and integrated TraffiCalm Smart Solar Charger™.
	Integrated 20 AH NiMH battery pack
Power Options	Upgrade to 60 Watt solar panel
Operating Temperature	Internal components: -34°C to +74°C/-29°F to +165°F
	Ambient environment: -34°C to +60°C/-29°F to 140°F
Programming Specifications	
Programmable Display Features	Min speed to display, over speed, and maximum speed to display
	Display type: actual speed, flashing digits, steady digits,
	Control line for external devices such as beacons
Schedules	Repeating daily: 2 events
Communications	Wireless Remote IR
Warranties	3 year limited warranty; Battery: 1 year limited warranty

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