SPEEDCHECK-15/18

Radar Speed Sign Data Sheet



Quality radar speed sign systems packed with features to maximize effectiveness:

- ✓ Large 15" or 18" LED digits with various static sign sizes
- Optional "SLOW DOWN" message, strobes and external beacons available
- High-contrast display provides the greatest readability at a distance
- ✓ Stealth mode
- ✓ Calendar/schedule operation
- Data collection with visualization and reporting software
- 3-year warranty

Fully Compliant, Ultra-clear Display

Compliant to MUTCD standards for legibility, including LED color, character and letter height. The bright LED displays use 15-inch and 18-inch digits against a background designed for high-contrast visibility that prevents "88" ghosting—ensuring readability in all weather and lighting conditions. The unique safety mask limits the viewing angle to prevent drivers from watching the display as they pass. The "SLOW DOWN" message can be programmed to flash at user-defined speed thresholds.

Long-lasting, Reliable Operation

The LED display is housed within a durable, weatherproof aluminum unit and is shielded with a tough polycarbonate window for added vandalism protection. Every solar-powered model is solar-sized by location to ensure year-after-year operation. Carmanah includes a Solar Power Report to prove sustainability over a 12-month period.

Easy Installation and Connectivity

The modular design makes it easy to repair using standard tools—without removing the device from the pole. Bluetooth® allows for quick connectivity and setup via the SpeedCheck Manager PC software. A StreetHub™ model comes factory prewired and pretested for remote communication—enabling cloud-based access within minutes. Carmanah's comprehensive support system includes product support technologists and our 24/7 ondemand Product Support Center.



SPEEDCHECK-15

15-inch digits for speeds less than 45 mph (70 km/h)

SPEEDCHECK-18

18-inch digits for speeds equal/greater than 45 mph (70 km/h)







Buy America compliant



3-year limited warranty



Solar-sized for every location



Up to 1000 feet radar detection

SPEEDCHECK-15/18

Radar Speed Sign Data Sheet

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"YOUR SPEED" STATIC SIGN		
Sign	Meets MUTCD legibility standards for color, character and height	
Sheeting	3M High Intensity Prismatic or Diamond Grade retroreflective sheeting and components	
Color	Available in yellow, fluorescent yellow/green, white, and orange	
SPEEDCHECK-15		SPEEDCHECK-18







30" x 30" 42" x 30"

48" x 36" 60" x 48" (762 mm x 762 mm) (1067 mm x 762 mm) (1219 mm x 914 mm) (1524 mm x 1219 mm)

OPTIONAL PRODUCT FEATURES

OF HORAL PRODUCT PLATORES		
Slow Down	Flashes MUTCD-compliant "SLOW DOWN" message when drivers	
	exceed user-defined speed thresholds; available in yellow or red* LEDs	
Outputs	display only). * Not FHWA MUTCD compliant	
	Yellow or red round beacons: 12" (305 mm) or 8" (203 mm) LED modules	
Inputs	Allows external devices to manage display operation with external	
	contact closure and the included wiring harness	

LED DISPLAY





Meets MUTCD legibility standards for character height and LED color for roadways with speed limits under 45 mph and 45 mph and over Seven-segment digit design using amber LEDs LEDs automatically dim during nighttime operation, minimizing light bounce into neighboring windows Includes stealth mode for data collection Radar 3rd-party tested radar detection range to 1000 ft. Single-direction, K Band Doppler radar (+/- 1 mph) ,12° radar beam width Corrosion-resistant aluminum chassis with stainless steel hardware 1/4" polycarbonate window protects digital display from weather and vandalism		
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Construction 1/4" polycarbonate window protects digital display from weather and		Single-direction, K Band Doppler radar (+/- 1 mph) ,12° radar beam width
17 1 polydarbonato window prototto digital diopidy from wodinor and	Construction	Corrosion-resistant aluminum chassis with stainless steel hardware
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LED DISPLAY MOUNTS

Standard Banding or U-Bolt





Flat Bracket

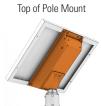
COMMUNICATION AND DATA COLLECTION

Local	Bluetooth, direct serial (cable) and third-party device communication	
Communication	options available	
Remote	Optional StreetHub model includes fully integrated monitoring unit from	
Monitoring	the factory and Glance cloud-based software for two-way communication	



POWER OPTIONS		
	12 VDC operation, solar sized to specific geographic location Includes 12-month <u>Solar Power Report</u> to ensure system sustainability	
Solar	System designed for 5+ year battery life	
	Integrated solar kit option: includes solar panel, charge controller and batteries; lower cost option	
	Separate solar panel and cabinet option: includes batteries, charge controller, room for 3rd-party devices	
AC	100-240 VAC in standard configurations.	

INTEGRATED SOLAR KITS AND MOUNTS





PANEL	LENGTH	WIDTH
30 W	21.5" (545 mm)	15.7" (400 mm)
50 W	26.3" (668 mm)	21.2" (538 mm)

SEPARATED SOLAR PANEL/CABINET AND MOUNTS





PANEL	LENGTH	WIDTH
50 W	26.3" (668 mm)	21.2" (538 mm)
80 W	30.7" (780 mm)	26.5" (672 mm)
170 W	59.1" (1500 mm)	26.3" (668 mm)

Cabinet	Weatherproof, gasketed cabinet with vents for ambient air transfer tested to NEMA 3R
	Corrosion-resistant aluminum chassis with stainless steel hardware
	Lockable, hinged door with #2 lock; optional padlockable latch
	Raw aluminum finish or yellow, black, or green powder coated
	15.7" x 8.2" x 21.0" (399 mm x 208 mm x 534 mm)

INCLUDED WITH EVERY SIGN

Software	SpeedCheck Manager PC software for all setup and programming options, including calendar scheduling, data collection Traffic Analyzer software for data visualization and reporting
Warranty	3-year limited warranty on LED display
	1-year limited warranty on batteries
Support	Carmanah's North American product support technologists available for solution building, solar sizing and troubleshooting
	24/7 access to Carmanah's online Product Support Center database
Customize	Build a SPEEDCHECK-15 online OR Build a SPEEDCHECK-18 online

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