SPEEDCHECK-15/18

Radar Speed Sign Data Sheet

Ouality 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
- ✓ Mobile app for iOS[®] and Android[™]
- 🖌 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 solarpowered model is solar-sized by location to ensure yearafter-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 mobile app or 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 on-demand <u>Product Support Center</u>.



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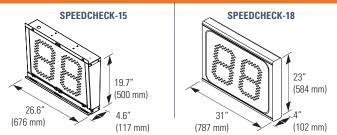
1.844.412.8395 | traffic@carmanah.com | carmanah.com

"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	
Vour spe	ED SPEED	YOUR SPEED	YOUR SPEED
30″ x 30 (762 mm x 76	0" 30" x 42" 62 mm) (762 mm x 1067 mm)	36" x 48" (914 mm x 1219 mm)	48" x 60" (1219 mm x 1524 mm)
OPTIONAL PRODUCT FEATURES			

OPTIONAL PRODUCT FEATURES

Slow Down	Flashes MUTCD-compliant "SLOW DOWN" message when drivers exceed user-defined speed thresholds; available in yellow or red* LEDs	
Outputs	Triggers external devices, such as flashing beacons, strobes, or cameras by speed threshold or schedule, or from centralized remote location Strobe*: rapid-flashing strobe with white LEDs or red/blue LEDs (for 15" 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



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	
Construction	Corrosion-resistant aluminum chassis with stainless steel hardware	
	1/4" polycarbonate window protects digital display from weather and	
	vandalism	

LED DISPLAY MOUNTS

Standard Banding or U-Bolt

Flat Bracket







POWER OPTIONS			
	12 VDC operation, solar sized to specific geographic location Includes 12-month <u>Solar Power Report</u> to ensure system sustainability		
	System designed for 5+ year battery life		
Solar	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

Top of Pole Mount		Side of Pole Mount
PANEL	LENGTH	WIDTH
30 W	21.5" (545 mm)	15.7″ (400 mm)
50 W	26.3" (668 mm)	21.2" (538 mm)
	(300 (1111)	(250 mm)

SEPARATED SOLAR PANEL/CABINET AND MOUNTS

Top	o of Pole Mount	Side of Pole Mount	
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)	
		L	
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 W	ITH EVERY SIGN		
Software and Mobile App	SpeedCheck Manager <u>mobile app</u> and <u>PC software</u> for setup and programming, including calendar scheduling and data collection, via <u>Bluetooth</u> <u>Traffic Analyzer</u> software for data visualization and reporting		
Marranty	3-year limited warranty on LED display		
Warranty	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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