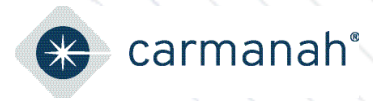


# SPEEDCHECK-12

## Small, Portable Radar Speed Sign Data Sheet



Affordable radar speed sign system packed with premium features at no additional cost:

- ✓ Calendar/schedule operation
- ✓ Data collection with visualization and reporting software
- ✓ Mobile app for iOS® and Android™
- ✓ Rapid-flashing strobe
- ✓ Stealth mode
- ✓ On-board diagnostic status and health indicators
- ✓ 3-year warranty

### Fully Compliant, Ultra-clear Display

Compliant to MUTCD standards for legibility, including LED color, character and letter height. The bright LED display uses 12-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.

### 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 SpeedCheck® sign arrives ready to work out of the box. Its modular, lightweight design and built-in handle allows a single person to install on a pole or flat surface. Bluetooth® allows for quick connectivity and setup via the SpeedCheck Manager mobile app or PC software. Carmanah's comprehensive support system includes product support technologists and our 24/7 on-demand [Product Support Center](#).



**SPEEDCHECK-12**  
12-inch digits for speeds less than 45 mph (70 km/h)



**MUTCD  
compliant**



**Buy America  
compliant**



**3-year limited  
warranty**



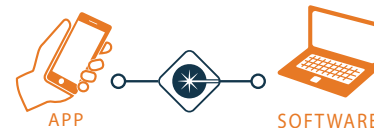
**Solar-sized for  
every location**



**Up to 21 days  
battery run time**



**Up to 1000 feet  
radar detection**



## CONNECTIVE CAPABILITIES

# SPEEDCHECK-12

## Small, Portable Radar Speed Sign Data Sheet

1.844.412.8395 | [traffic@carmanah.com](mailto:traffic@carmanah.com) | [carmanah.com](http://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



24" x 22"  
(610 mm x 559 mm)

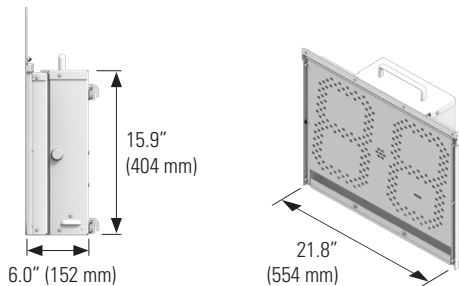


30" x 24"  
(762 mm x 610 mm)



30" x 36"  
(762 mm x 914 mm)

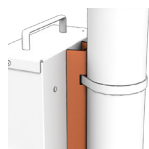
### LED DISPLAY



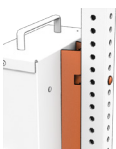
LED Display and Strobe	Meets MUTCD legibility standards for character height and LED color for roadways with speed limits under 45 mph
	Seven-segment digit design using 224 amber LEDs
	LEDs automatically dim during nighttime operation, minimizing light bounce into neighboring windows
Radar	Includes rapid-flashing strobe with white LEDs at the center of the display (with ON/OFF setting)
	Includes stealth mode for data collection
	Detection range up to 800 ft; extended range option available
Construction	Single-direction, K Band Doppler radar (+/- 1 mph) with 12° radar beam width
	Weatherproof, gasketed enclosure with vents for ambient air transfer
	Corrosion-resistant aluminum chassis with stainless steel hardware
Weight	3/16" polycarbonate window protects digital display from weather and vandalism
	Keyed access prevents sign removal and battery theft
	15 lbs (6.8 kg) without batteries

### LED DISPLAY MOUNTS

Standard Banding/  
Flat Surface



Through Bolt  
(2" - 2.5"  
Square Poles)



Through Bolt  
(2.38" - 2.88" &  
4.5" Diameter  
Round Poles)



Band Clamps  
(2.38" - 4.75" &  
5.5 - 8.25" Diameter  
Round Poles)



### COMMUNICATION AND DATA COLLECTION

Local	Bluetooth mobile app and PC software (SpeedCheck Manager)
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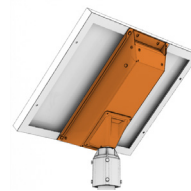


### POWER OPTIONS

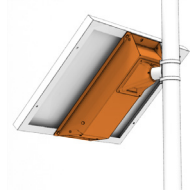
Battery	Up to 21 days battery run time (3,000 ADT).
	Batteries housed inside display, includes external battery charger
	Maintenance-free, non-proprietary AGM batteries offer the widest temperature range and longest life
Solar	Batteries can be easily replaced at low cost
	12 VDC operation, solar sized to specific geographic location
	Includes 12-month <a href="#">Solar Power Report</a> to ensure system sustainability
AC	System designed for 5+ year battery life
	<b>Integrated solar kit option:</b> includes solar panel, charge controller and batteries; lower cost option
	<b>Separate solar panel and cabinet option:</b> 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



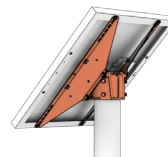
Side of Pole Mount



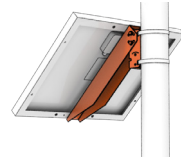
PANEL	LENGTH	WIDTH
30 W	21.5" (545 mm)	15.7" (400 mm)
50 W	26.3" (668 mm)	21.2" (538 mm)

### SEPARATED SOLAR PANEL/CABINET AND MOUNTS

Top 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)
Cabinet	15.7" x 8.2" x 21.0" (399 mm x 208 mm x 534 mm) Weatherproof, gasketed cabinet with vents for ambient air transfer tested to NEMA 3R; lockable, hinged door with #2 lock	

### INCLUDED WITH EVERY SIGN

Software and Mobile App	SpeedCheck Manager <a href="#">mobile app</a> and <a href="#">PC software</a> for setup and programming, including calendar scheduling and data collection, via Bluetooth
Warranty	<a href="#">Traffic Analyzer</a> software for data visualization and reporting
Support	3-year limited warranty on LED display
Customize	1-year limited warranty on batteries
	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

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**Specifications subject to local environmental conditions, and may be subject to change.**

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