

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. 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 [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

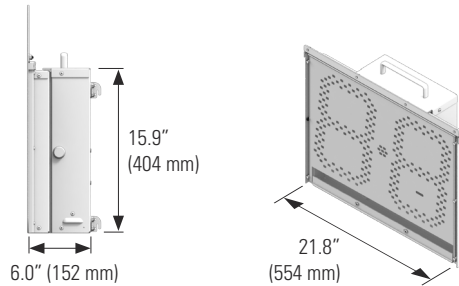
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LED DISPLAY



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
	Includes rapid-flashing strobe with white LEDs at the center of the display (with ON/OFF setting)
Radar	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
	3/16" polycarbonate window protects digital display from weather and vandalism
Weight	Keyed access prevents sign removal and battery theft
	15 lbs (6.8 kg) without batteries

COMMUNICATION AND DATA COLLECTION

Local Communication	Bluetooth mobile app and PC software (SpeedCheck Manager)
Remote Monitoring	Optional StreetHub model includes fully integrated monitoring unit from the factory and Glance cloud-based software for two-way communication

POWER OPTIONS

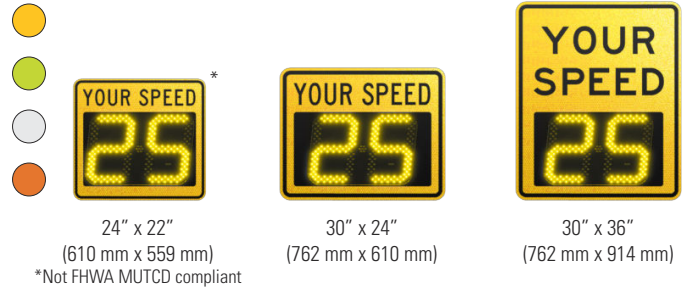
Battery	Up to 21 days battery run time (3,000 ADT)
	Includes external battery charger
	Maintenance-free, non-proprietary AGM batteries offer the widest temperature range and longest life
	Batteries can be easily replaced at low cost
Solar	12 VDC operation, solar sized to specific geographic location
	Includes 12-month Solar Power Report to ensure system sustainability
AC	System designed for 5+ year battery life
	100-240 VAC in standard configurations

INCLUDED WITH EVERY SIGN

Software and Mobile App	Bluetooth SpeedCheck Manager mobile app for quick changes to high-touch settings
	SpeedCheck Manager PC software for all setup and programming options, including calendar scheduling, data collection
	Traffic Analyzer software for data visualization and reporting
Hardware and Installation Setup	High-powered Bluetooth dongle for up to 50 ft range between SpeedCheck sign and PC
	Radar installation kit with alignment tool and foam cone
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

"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



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)
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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)

LEARN MORE ABOUT THE PRODUCT

- [What's a Solar Power Report?](#)
- [Visit the Product Support Center](#)



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