

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

SPEEDCHECK-12

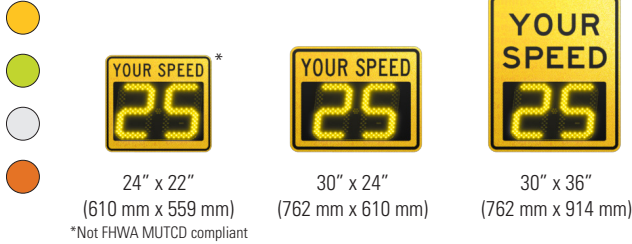
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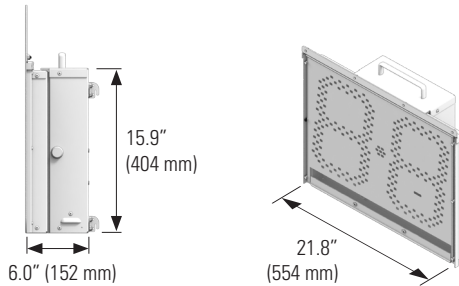


"YOUR SPEED" STATIC SIGN

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

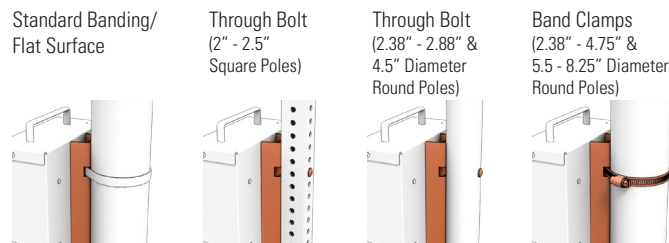


LED DISPLAY





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)
	Includes stealth mode for data collection
Radar	Detection range up to 800 ft; extended range option available Single-direction, K Band Doppler radar (+/- 1 mph) with 12° radar beam width
Construction	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
	Keyed access prevents sign removal and battery theft
Weight	15 lbs (6.8 kg) without batteries

LED DISPLAY MOUNTS



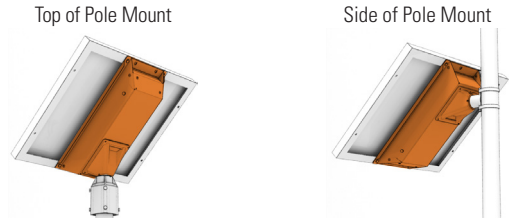
COMMUNICATION AND DATA COLLECTION

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

POWER OPTIONS

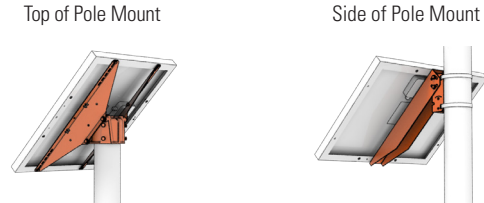
Battery	Up to 21 days battery run time (3,000 ADT).
	Batteries housed inside display, includes external battery charger
	Maintenance-free, non-proprietary AGM batteries offer the widest temperature range and longest life
	Batteries can be easily replaced at low cost
Solar	12 VDC operation, solar sized to specific geographic location Includes 12-month Solar Power Report to ensure system sustainability
	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	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 mobile app and PC software for setup and programming, including calendar scheduling and data collection, via Bluetooth 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-12 online

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