

# SPEEDCHECK®

## Advisory Speed Signs Data Sheet



Advisory speed signs have an immediate and long-lasting impact on driver behavior, alerting drivers to an advised speed for a potential road hazard or condition.

- ✓ Industry-leading high-contrast display technology for visibility in all weather and lighting conditions
- ✓ MUTCD and Buy America compliant system
- ✓ Most recognized radar speed sign in the industry for 20+ years
- ✓ Mobile app for iOS® and Android™
- ✓ Solar Power Report™ (SPR) prepared for every location to ensure battery longevity

### Ultra-clear Light Output

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.

### Easy Installation and Durable Construction

The modular design makes it easy to repair using standard tools—without removing the device from the pole. The durable radar device is constructed with heavy 11-gauge welded aluminum and stainless steel and brass hardware. The vandal-resistant design can absorb up to two inches of impact deflection without damage to internal components.

### Advanced User Interface

Our SpeedCheck sign comes with an on-board user interface for quick configuration and optional status monitoring. Using a shared platform design, all SpeedCheck products can be programmed with a Bluetooth® mobile app or PC software, making it easy to quickly add many optional features to fit your application.

### Reliable

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.

### Advisory Alert Options



#### Static Speed + Flashing Digits

Displays advised speed at all times. Digits flash when drivers exceed advised speed.



#### Static Speed + Slow Down Message

Displays advised speed at all times. Flashes “Slow Down” when drivers exceed advised speed.



#### Blank Sign + Slow Down Message

No advised speed displayed. Flashes “Slow Down” when drivers exceed advised speed.



MUTCD compliant



Buy America compliant



3-year limited warranty



Solar-sized for every location



Up to 1000 feet radar detection

# SPEEDCHECK®

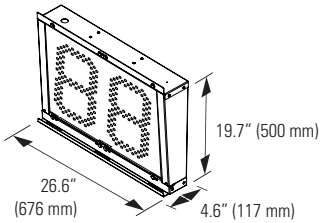
## Advisory Speed Signs Data Sheet

1.844.412.8395 | traffic@carmanah.com | carmanah.com

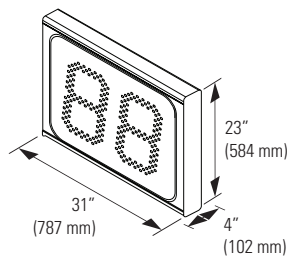


### DISPLAY ENCLOSURE DIMENSIONS

SPEEDCHECK-15

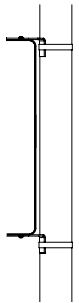


SPEEDCHECK-18

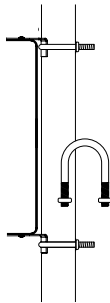


### DISPLAY ENCLOSURE MOUNTING

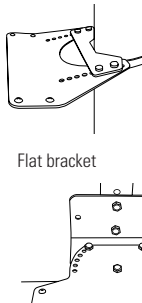
Standard Banding



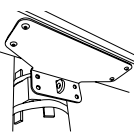
U-Bolt (Flat/Square poles)



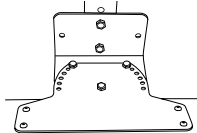
Tilt Bracket (for vertical adjustments)



Quick Change (Portable)

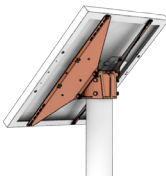


Flat bracket

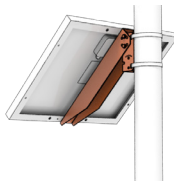


### SOLAR PANELS AND MOUNTS

Top of Pole Mount



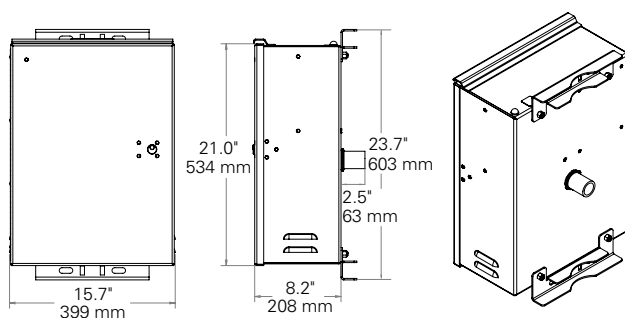
Side of Pole Mount





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)

\* Carmanah will conduct a site assessment and provide an Solar Power Report to determine the correct solar panel and battery size.

### CABINET DIMENSIONS



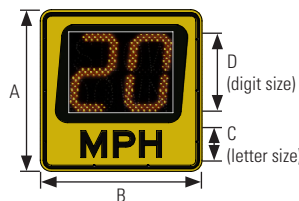
### SYSTEM SPECIFICATIONS

Display	MUTCD and MUTCDC compliant
	Amber LEDs
	Seven-segment LED digit design for maximum digit recognition
	LEDs automatically dim during nighttime operation, minimizing light bounce into neighboring windows
Power	Unique safety masking design limits display view from the side, discouraging drivers from rubbernecking to watch the display as they drive past
	Ultra-clear contrast delivers superior viewability in all lighting conditions
	No "88" digit ghosting even in bright sunlight
Enclosure	100-240 VAC in standard configurations
	12 VDC for battery or solar system operation
	Solar sized for specific geographic location and sign application
Static Sign Construction	3.5 W draw for typical daytime displayed number, traffic, and local illumination
	50, 80, or 170 W high-efficiency photovoltaic solar panel
Communication	Ventilated, weatherproof NEMA 3R enclosure
	3M High Intensity Prismatic or Diamond Grade retroreflective sheeting and components
Software and Mobile App	Available in 3931 yellow, 3983 fluorescent yellow/green, 3930 white, and 3934 orange; others available
	Bluetooth, StreetHub remote connectivity, ethernet, and third-party device communication options available
Cabinet Construction	SpeedCheck Manager <a href="#">mobile app</a> and <a href="#">PC software</a> : setup and programming for all display parameters
	 
	Scheduler: manages unlimited schedules and modes on a calendar with a 2-year exception list
Environmental	Traffic Analyzer: on-board data logger collects date, time and speed for over 200,000 target vehicles; raw data in .csv, not binned; generates easy pre-defined speed compliance reports
	Weatherproof, gasketed enclosure with vents for ambient air transfer (NEMA 3R)
Warranty	Lockable, hinged door with #2 lock
	Optional padlockable latch
Warranty	Corrosion-resistant aluminum with stainless steel hardware
	-40 to 167° F (-40 to 75° C) system operating temperature
	5-30 Hz 3-axis vibration
Warranty	FCC 15.107 and 15.109 Class A radiated and conducted emissions compliance
	FCC part 15 low-power radar device
<b>3-year limited warranty</b>	

### OPTIONAL PRODUCT FEATURES

Slow Down	Flashes MUTCD-compliant "Slow Down" message when drivers exceed user-defined speed thresholds
Outputs	Triggers external devices, such as flashing beacons, strobes, or cameras by speed threshold or schedule, or from centralized remote location
Inputs	Beacons: 12 in (305 mm) or 8 in (203 mm) diameter LED modules, yellow or red
	Allows external devices to manage display operation with external contact closure and the included wiring harness

### ADVISORY SPEED SIGN DIMENSIONS



SIGN	A	B	C	D
15-inch	30" (762 mm)	30" (762 mm)	5" (127 mm)	15" (381 mm)
18-inch	36" (914 mm)	36" (914 mm)	5" (127 mm)	18" (457 mm)

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

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