

SPEEDCHECK-MX

CONNECTED RADAR SPEED SIGNS

Discover an affordable radar speed sign system with remote connectivity packed with premium features.

- Remote connectivity built-in to every system — 3 years free
- Automatic connectivity out-of-the-box
- Effortless setup with the MX Field App™ (iOS/Android)
- Access traffic data, health status, and system programming with MX Cloud™ and MX Field App™
- Ultra-clear displays for maximum visibility, with configurable options like strobes

Unlock full insights with MX Cloud

Get complete asset visibility and seamless data collection: program, set up alerts, view data/charts, and access the GPS map for asset management and proactive future planning.

Long-lasting, reliable performance

Designed with durable, weatherproof aluminum construction, vandal-resistant antennas, vibrant LEDs, and a unique safety mask that prevents distractions for passing drivers.



MX Series™

Connective Capabilities



What's a Solar Power Report™ (SPR)?

Ensure your solar-powered system is built to last—no matter where it's installed. Our fieldproven simulation tool, backed by 20+ years of innovation, analyzes real-world conditions to deliver the perfect solar solution for your location. Discover the process at carmanah.com/spr



Configurable to
MUTCD Standards



Buy America/
BABA Compliant



3 Year
Limited Warranty



SPEEDCHECK-MX

CONNECTED RADAR SPEED SIGNS

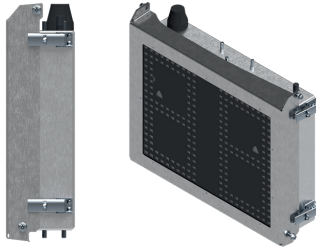


Western Systems

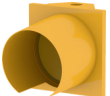


carmanah®

MX SPEEDCHECK MODULES



12" Digits	21.8 x 17 x 4.8" (554 x 432 x 122 mm)
15" Digits	25.8 x 20 x 4.8" (655 x 508 x 122 mm)

LED Display	Configurable to MUTCD 10th and 11th Ed. standards
	12" (305 mm) or 15" (381 mm) LED digits, yellow
	LED grid with 315 LEDs, automatically dim during nighttime operation, minimizing light bounce into neighboring windows
Data	Includes stealth mode for data collection, and up to 200K individual vehicle data points saved/charted
Radar	Built-in, single-direction, K Band Doppler radar (+/- 1 mph) with 18° radar beam width. Detection range up to 800 ft.
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
	Double padlockable latches prevents battery theft
Options	12" MX Beacons, yellow LEDs, yellow or black, poly or aluminum
	"SLOW DOWN" message*, yellow LEDs
	White strobe* or red/blue strobe*
	External radar detection kit
*indicates not MUTCD compliant	    

MX SPEEDCHECK MODULE MOUNTING

Included: Two universal mounting brackets	Through Bolt: • 2-2.5" square • 2.38-2.88" OD round • 4.5" OD round	J-Bolt: • 4.5" OD round	Band Clamp: • 2-2.5" square • 2.38-2.88" OD round • 3.5-5.5" OD round 6-8.25" OD round	Tilt & Pan: • universal kit (optional)
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INCLUDED WITH EVERY SYSTEM

MX Subscriptions	3 years out-of-the-box remote connectivity with MX Lite See all MX subscriptions
MX Cloud	MX Cloud for remote health status monitoring, email/SMS alerts, scheduling, asset management, programming and more
MX Field App	Bluetooth® mobile app for on-site setup, local access to default settings, calendar scheduling, system health status and more  
Warranty	3-year limited warranty on MX system 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

STATIC "YOUR SPEED" SIGNS

Sign / Plaque	Options for 10th and 11th Ed. MUTCD standards for color, character and height												
	 												
	W13-20aP (plaque, 11th Ed.) W13-20 (11th Ed.)												
Sheeting	3M High Intensity Prismatic or Diamond Grade retroreflective sheeting and components												
Color	Available in yellow, fluorescent yellow/green, and white   												
Sign / Plaque Sizes	<table> <tr> <th>12" MX Display</th><th>15" MX Display</th></tr> <tr> <th>W13-20aP</th><th>W13-20</th></tr> <tr> <td>30 x 24" (762 x 610 mm)</td><td>30 x 24" (762 x 610 mm)</td></tr> <tr> <td>36 x 30" (914 x 762 mm)</td><td>36 x 30" (914 x 762 mm)</td></tr> <tr> <td>36 x 48" (914 x 1220 mm)</td><td>36 x 48" (914 x 1220 mm)</td></tr> <tr> <td>48 x 36" (1220 x 914 mm)</td><td>48 x 60" (1220 x 1524 mm)</td></tr> </table>	12" MX Display	15" MX Display	W13-20aP	W13-20	30 x 24" (762 x 610 mm)	30 x 24" (762 x 610 mm)	36 x 30" (914 x 762 mm)	36 x 30" (914 x 762 mm)	36 x 48" (914 x 1220 mm)	36 x 48" (914 x 1220 mm)	48 x 36" (1220 x 914 mm)	48 x 60" (1220 x 1524 mm)
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POWER AND EXTERNAL CABINET

Solar	12 VDC operation, solar sized to specific geographic location Includes 12-month Solar Power Report to ensure sustainability.						
	System designed for 5+ year battery life						
	<table> <tr> <td>50 W</td><td>26.3 x 21.2" (668 x 538 mm)</td></tr> <tr> <td>80 W</td><td>30.7 x 26.5" (780 x 672 mm)</td></tr> <tr> <td>200 W</td><td>59.1 x 26.3" (1500 x 670 mm)</td></tr> </table>	50 W	26.3 x 21.2" (668 x 538 mm)	80 W	30.7 x 26.5" (780 x 672 mm)	200 W	59.1 x 26.3" (1500 x 670 mm)
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AC	100-240 VAC in standard configurations, built into MX Display						
Batteries	Replaceable, recyclable, sealed, maintenance-free AGM batteries offer the widest temperature range and longest life						
	One or two 18 Ahr. batteries inside MX Display, or one 35/55/100 Ahr. inside External Battery Cabinet.						
External Battery Cabinet	Weatherproof, gasketed enclosure with vents for ambient air transfer (NEMA 3R). Corrosion-resistant aluminum with stainless steel hardware.						
	Padlockable latch prevents battery theft						
	16.3 x 1 3.7 x 8.3" (414 x 348 x 211 mm)						

MX SPEEDCHECK MODULE MOUNTING

Top of Pole Mount: • 2.88" OD round, 50/80 W solar • 3.5-4.5" OD round, 50/80/200 W solar	Side of Pole Mount: • 50/80/200 W solar	Side of Pole High Wind Mount: • 50/80 W solar	Side of Pole • Battery Cabinet Mount
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POWER AND EXTERNAL CABINET

Local	MX Field App (Bluetooth®)
Remote	MX Cloud (cellular)
Location & Time	GPS

Build your
SPEEDCHECK-18 Sign



Build an MX
Radar Speed Sign



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