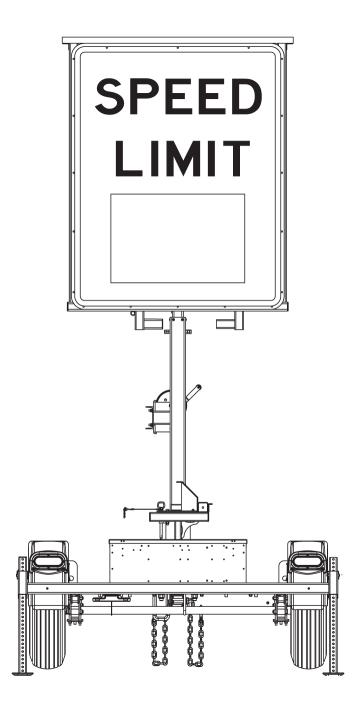


VARIABLE SPEED-LIMIT TRAILERS

MODEL WVSL
PRODUCT SPECIFICATIONS | FEBRUARY 2022



1. SYSTEM

1.1. Description

Variable speed limit signs provide dynamically changeable speed limit notification to motorists on a brightly lit, highly visible display panel. Wanco Variable Speed Limit Trailers add flexibility to this strategy, being both portable and self-powered. They are easy to deploy and require no permanent installation or wiring.

Wanco Variable Speed-Limit Trailers display a changeable speed limit on a sign that mimics the look of a regulatory speed limit sign. A large LED display panel substitutes for static speed limit numbers. The display is capable of showing white numbers on a black background and black numbers on a white background.

When deployed on highways and other high-speed arterials as a component of an active traffic management (ATM) system, the transportation department can change the displayed speed to accommodate changes in conditions due to weather, incidents, work zone activity, and other traffic events. Speed limits can be either regulatory or advisory. Broadcast capability is built in.

The display panel remains vertical at all times, raised and lowered on a vertical tower that allows the display to be rotated for orienting toward traffic without moving the trailer. When the tower is lowered for transport or storage, the display panel rests in a cradle that keeps it secure.

Power is provided by batteries, which are charged by an automated solar charging system.

1.2. Model

1.2.1. WVSL-36 Variable speed-limit trailer with 36x48-inch regulatory sign

1.2.2. WVSL-48 Variable speed-limit trailer with 48x60-inch regulatory sign

1.3. Temperature limits Operating temperature, -40 to 212°F (-40 to 100°C)

1.4. Standards Compliant in accordance with:

MUTCD, December 2009 §2A.18, Mounting Height

ITE Standard, June 2007 §5.82, Nighttime Dimming; §6.4.3, Environmental Tests;

§6.4.6.3, Electronic Noise

FCC Title 47, Part 15 (47 CFR 15)

2. FEATURES

2.1. Setup

- Portable system is easy to transport and deploy
- Heavy-duty hand-winch with safety brake allows one person to raise display panel
- Tower with speed-limit sign rotates for optimal positioning
- Lock-pin holds tower in place during operation
- Stabilizer legs raise tires off the ground to provide stability in high wind

2.2. Operation

- Large regulatory speed limit sign with electronic speed display
- Electronic display features high-output bright white LEDs
- Displayed speed can be either white on black or black on white
- Visors and shades over LEDs produce superior visibility
- Electronic display has automatic dimming
- · Remote and local control
- Selectable speed limit
- Internal clock facilitates built-in schedule programming
- Full-color touchscreen controller with high-resolution display
- Controller mounted to display panel frame for eye-level programming
- Weather-resistant control box cover has lockable latches
- · See-through design puts road workers in view
- Meets MUTCD

2.3. Power system

- Battery powered and solar charging
- Energy-efficient operation results in long run times
- Solar panel charges batteries automatically without intervention
- Charging system shuts down when batteries are fully charged, preventing damage
- Unique system allows battery charging with solar panel or commercial power
- Battery box can be locked to prevent unauthorized access

2.4. Maintenance

- Individual display modules can be replaced easily
- Standard trailer tires
- Heavy-duty bolt-on fenders can be replaced if damaged
- Durable powder-coat finish resists the elements

2.5. Application

Common applications include:

- Highways and other high-speed arterials
- Frequently congested areas
- Areas with managed lanes and other ATM implementations
- Integration with existing traffic management systems
- Roadwork zones

3. DISPLAY

3.1. Speed display

Shows either white numbers on a black background, or black numbers on a white background

One, two or three digits, from 5 to 140 in increments of 5

One font, 6" x 18" (16 x 47cm), W x H

3.2. Cabinet

3.2.1. Description

Display cabinet contains all electronics and controls

Door on front of cabinet provides access to interior

Hinged control-console door on back provides access to controls

3.2.2.	Size	36" x 36" x 5" (91 x 91	x 12cm)
3.2.3.	Height	When deployed, 84" (2	213cm) from ground to bottom of regulatory sign
3.2.4.	Material	Aluminum alloy sheet,	0.06" (1.58mm) thick
3.2.5.	Construction	Forms wrap around to	p, side, back and bottom of cabinet
3.2.6.	Door	Rigid door frame, hing latches accept user-su	ed at top and latched at bottom, stays open for easy maintenance; pplied padlocks
		Access to door require	es removal of regulatory speed limit sign
3.2.7.	Finish	•	wder-coat finish to ensure durability and corrosion protection. lasted and then run through a five-stage, high-pressure phosphate-on of the finish coat.
3.2.8.	Window	Polycarbonate resin th 0.156" thick	ermoplastic window installed in door frame, UV-resistant,
3.2.9.	Location	Mounted to welded st	eel frame on tower, behind speed limit sign
3.3.	Display matrix		
3.3.1.	LEDs	Technology	AllnGaP II (aluminum indium gallium phosphide) technology, $T-1\%$ size, through-hole auto-insertion
			,
		Color	White
		Color Current	
3.3.2.	Pixels		White
3.3.2.	Pixels	Current	White 100 mA peak-pulsed forward current
3.3.2.	Pixels	Current Description	White 100 mA peak-pulsed forward current Two LEDs form a "pixel"
3.3.2.	Pixels	Current Description Viewable matrix	White 100 mA peak-pulsed forward current Two LEDs form a "pixel" 22 pixels wide by 15 high, 294 pixels total
3.3.2. 3.3.3.	Pixels Lenses and visors	Current Description Viewable matrix Pixel size Pixel pitch Each pixel has a snap-i	White 100 mA peak-pulsed forward current Two LEDs form a "pixel" 22 pixels wide by 15 high, 294 pixels total 0.75" x 0.75" (19 x 19mm)
		Current Description Viewable matrix Pixel size Pixel pitch Each pixel has a snap-iangularity of each pixel A polycarbonate visor	White 100 mA peak-pulsed forward current Two LEDs form a "pixel" 22 pixels wide by 15 high, 294 pixels total 0.75" x 0.75" (19 x 19mm) 34mm, horizontal and vertical n optical lens over the LEDs, enhancing the brightness and
		Current Description Viewable matrix Pixel size Pixel pitch Each pixel has a snap-i angularity of each pixel A polycarbonate visor exposure. The sunshad into the sunshades.	White 100 mA peak-pulsed forward current Two LEDs form a "pixel" 22 pixels wide by 15 high, 294 pixels total 0.75" x 0.75" (19 x 19mm) 34mm, horizontal and vertical n optical lens over the LEDs, enhancing the brightness and el while reducing power consumption. shades each row of pixels to eliminate glare caused by direct sun
		Current Description Viewable matrix Pixel size Pixel pitch Each pixel has a snap-i angularity of each pixel A polycarbonate visor exposure. The sunshad into the sunshades. These enhancements efficiency.	White 100 mA peak-pulsed forward current Two LEDs form a "pixel" 22 pixels wide by 15 high, 294 pixels total 0.75" x 0.75" (19 x 19mm) 34mm, horizontal and vertical n optical lens over the LEDs, enhancing the brightness and el while reducing power consumption. shades each row of pixels to eliminate glare caused by direct sun des snap onto the display module without tools. The lenses snap

3.3.6. Auto dimming Two photocells detect ambient light on the speed display; the system automatically

adjusts the brightness of the LEDs accordingly, dimming display brightness in darkness,

increasing to full brightness in daylight

Photocells are mounted inside the display cabinet, one facing rear and one facing front

Auto dimming is unaffected by temporary light sources such as vehicle headlights

3.3.7. Software design Driver LEDs controlled through 30mA pulse-width modulation design

Addressing Each display module address is selected through a software

command; no DIP switches are used. The address does not

change until reprogrammed.

4. SPEED LIMIT SIGN

4.1. Description Speed limit sign mimics the appearance of standard R2-1 regulatory sign

Cutout in reflective coating accommodates electronic display

4.2. Sign size Sign size dependent on trailer model

Small 36" x 48" (91 x 122cm), W x H

Large 48" x 60" (122 x 152cm), W x H

4.3. Cutout size 30" x 20" (76 x 51cm), W x H

4.4. Material Aluminum sheet, 0.080" (2mm) thick, with high-intensity reflective coating

4.5. Location Mounted to welded steel sign frame, in front of electronic display

5. LOCAL CONTROL SYSTEM

5.1. Description Self-contained onboard computer, comprised of a power control unit (PCU), located

behind display modules inside the electronic display cabinet; and a display control unit

(DCU), located inside control box on the back of the electronic display cabinet.

5.2. Control box

5.2.1. Size 12.3" x 11.7" x 5.3" (31.2 x 29.7 x 14.4 cm) W x H x D

5.2.2. Material 0.08" aluminum

5.2.3. Door Front-panel is a door, hinged on the left, which opens fully

5.2.4. Latches Two quarter-turn latches on front of control box door keep hinged door closed. Both

latches are keyed and can be locked.

5.2.5. Finish Control box and door are coated with oven-baked, equipment-white powder-coat finish

to ensure durability and corrosion protection. Assemblies are run through a five-stage,

high-pressure phosphate-wash prior to application of the finish coat.

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5.2.6.	Rating	Weather-resistant, co	omparable to IP55
5.3.	Control panel		
5.3.1.	Touchscreen	Display	Full color, backlit, 7-inch display
			Capacitive touch panel
			800 x 480 pixels, W x H
			Display automatically shuts off after 20 minutes of inactivity
		Interface	Menu-based structure, accessed with virtual buttons on the touchscreen display, provides access to all sign functions including programming messages
			Virtual keyboard appears when required for text entry
			Multi-level password protection restricts access
5.3.2.	LED indicators	Indicates the followin	g status conditions:
		Solar charging system	is charging batteries
		System power shutdo	own occurred
		Programmed schedul	e is active
		Power to optional rad	dar device is on
5.3.3.	Data port	1 USB port for local do and software updates	ownloading of data from optional traffic data collector (if installed)
		See "Options and Opt	cional Equipment" for Traffic Data Collector System
6.	REMOTE COMMU	INICATIONS	
6.1.	Purpose		speed limit display to be controlled from remote locations away from ernet-connected computer, tablet, or smartphone
6.2.	Interface		
6.2.1.	TMS	Can be integrated wit	h existing DOT or other traffic management systems
6.2.2.	Wanco Fleet Manager	•	ernet browser interface for managing remote controlled equipment; eb-based application, no software installation
			d or remove equipment to/from groups for quick access, ideal for anaging contractor rentals or entire projects

Map GPS locations of entire fleet of signs simultaneously Record vital information from signs, such as speed limit changed by

user and date, battery and solar voltages, and equipment alarms

Mass broadcast capability

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Requirements Modern standards-compliant Web browser with JavaScript enabled

A platform (computer or mobile device) that supports such a browser

Internet connection

6.3. Modem Compact industrial 4G LTE modem with GPS

See "Options and Optional Equipment" for modem options

6.4. Cellular plan Plan Wanco Cellular Service

See "Options and Optional Equipment" for optional plans

Description Cellular service through Wanco. No activation charges, monthly

payments, or overage charges. User makes a single payment annually

to Wanco.

Carrier Verizon

7. TRAILER

	Frame	

7.1.1. Construction All welded structural steel

7.1.2. Tie-downs Two tie-down loops at the front corners of the trailer frame

One tie-down loop centered at rear of trailer frame

7.1.3. Finish Frame is coated with oven-baked, safety-orange powder-coat finish to ensure durability

and corrosion protection. Assemblies are bead-blasted and then run through a five-stage,

high-pressure phosphate-wash prior to application of the finish coat.

See "Options and Optional Equipment" for color options.

7.2. Fenders Round, full wheel coverage, bolted to trailer frame, removable and replaceable

7.3. Axle assembly Tubular, 2000 lb (907.2kg) capacity, 5 on 4.5" B.C. idler hub

7.4. Springs Double-eye leaf springs, 1200 lb (544.3kg) capacity for each spring

7.5. Tires ST205/75D15 steel-belted trailer tires, load rating B

7.6. Drawbar

7.6.1. Construction Telescopes inside receiver sleeve welded under trailer frame. Removable for shipping and

for added theft protection if needed. Secures with two 1/2-inch diameter bolts.

7.6.2. Material 3" (7.62cm) square steel tubing, 3/16" (0.476cm) wall

7.6.3. Jack Top-wind swivel, 2000 lb (907kg) capacity, steel footpad, 10" (25cm) total travel

7.6.4.	Tow hitch	Standard 2" ball cou drawbar, removable	pler tow-hitch, SAE Class 2, 3500 lb (1588kg) capacity, bolted to and replaceable
		See "Options and Op	otional Equipment" for tow-hitch options
7.6.5.	Tow chains		coil chain assemblies with clevis slip hooks for towing. Chains with quick connectors.
		Material diameter	0.406" (10.3mm)
		Working load limit	5400 lb (2450kg)
		Breaking force	16,200 lb (72kN)
7.7.	Stabilizer legs		
7.7.1.	Description		on each corner of trailer frame, extend downward from front and ingle, increasing footprint size when deployed
7.7.2.	Adjustment		nd down in sleeves, adjustable in 1" (2.54cm) increments, held in m) wire lock pin. A lanyard ties each pin to the trailer frame.
7.7.3.	Material	Leg	Perforated 1¾" sq. steel tube, 12ga wall, zinc plated
		Footpad	4" x 6" (10 x 15cm) steel, zinc plated, all edges turned up
7.8.	Wiring		
7.8.1.	Description	=	w vehicle and trailer for trailer taillights is installed inside drawbar, nectors at both ends; no crimping required
7.8.2.	Trailer plug	A sealed, molded, 4-	square connector plugs into harness under trailer
7.8.3.	Tow-vehicle plug	Two-piece assembly Meets SAE J1239	with 4-flat molded connector on harness plugs into tow vehicle
		See "Options and Op	otional Equipment" for tow-vehicle plug options
7.8.4.	Protection	All trailer wiring ence trailer frame; no exp	ased in UV protective loom, and attached with P-clamp riveted to osed wires
7.9.	Taillights	Two oval-shaped, se fenders	aled, LED, combination stop, turn and taillights integrated with
7.10.	Reflectors	Two red reflectors o	n rear trailer frame
		See "Options and Op	otional Equipment" for reflective tape
7.11.	License plate	Lighted license plate	holder is mounted under rear of trailer frame

7.12.	Tower assembly		
7.12.1.	Function	Sign and electronic d	isplay are raised and lowered on a telescoping tower
7.12.2.	Tower construction	Multiple sections of slarger section.	square steel tubing with each section telescoping inside the next
		and preventing dirt f	eep the sections tight, eliminating the need for greasing the tower rom building up on the inner tower section. Dirt would cause ms and maintenance issues.
7.12.3.	Swivel base		ment is bolted to the trailer frame. The outer tower section rotates on washers inside the swivel base, reducing rotating friction.
7.12.4.	Finish	coat finish to ensure	and swivel base are coated with oven-baked, safety-orange powder- durability and corrosion protection. Assemblies are run through a sure phosphate-wash prior to application of the finish coat.
		Upper tower sections	s are zinc-plated for corrosion resistance.
		See "Options and Op	tional Equipment" for color options.
7.12.5.	Height lock	Locking pin inserted if the winch cable we	through the tower in the up position prevents the tower from falling ere to fail
7.12.6.	Winch assembly	Function	Hand-operated winch raises and lowers tower
		Capacity	1500 lb (680kg)
		Brake	Safety friction-brake prevents tower from falling if operator loses grip on winch handle
		Cable	1/4" (6.35mm) diameter galvanized aircraft cable
7.12.7.	Rotation	Tower and sign asser	mbly rotates by hand, pivoting 360 degrees
7.12.8.	Rotation lock	Locking pin inserted	into horizontal plate mounted to tower prevents tower from rotating
7.12.9.	Sight tube	A sight tube for aimir sign frame	ng the sign in desired direction is mounted to the underside of the

When lowered for storage and transport, the sign frame (with electronic display and speed limit sign attached) rests in a support cradle, parallel to the trailer length

7.12.10. Storage

8.	POWER SYSTEM	
8.1.	Description	Electronics powered by batteries, which are charged automatically with integrated solar charging system
8.2.	Battery box	
8.2.1.	Function	Holds batteries and remote charger
		See "Options and Optional Equipment" for heavy-duty secure battery box
8.2.2.	Construction	Riveted all-steel construction
		All parts phosphate-washed and powder-coated prior to assembly
		Divider panel inside box separates batteries from electronics
		Louvers provide ventilation
		Latches keep cover closed and can accept user-supplied padlocks
8.2.3.	Mounting	Unobstructed location, centered over axle at rear of unit on structural deck
8.3.	Batteries	
8.3.1.	Туре	Group GC2 deep-cycle batteries, wired in parallel and series for a 12-volt system
		See "Options and Optional Equipment" for battery options
8.3.2.	Quantity	Four
8.3.3.	Voltage	6Vdc each
8.3.4.	Weight	Approx. 60 lb (26kg) each
8.3.5.	Capacity	430 Ah total capacity @ 12Vdc
8.3.6.	Low-voltage disconnect (LVD)	To protect batteries from full discharge, the LVD system automatically shuts down power when battery voltage drops to preset level, and re-engages power when battery charge returns to optimum
8.4.	Remote charger	
8.4.1.	Function	Plugs into a standard commercial power source to recharge batteries if battery voltage drops due to lack of sun for automated solar charging system
8.4.2.	Туре	12-volt battery charger
8.4.3.	Location	Inside battery box, mounted to divider panel on opposite side from batteries
8.4.4.	Output capacity	15A

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8.4.5.	Output voltage	13.2Vdc range "float" mode
		13.6Vdc range "absorption" mode
		14.2Vdc range "bulk" mode
8.4.6.	Input voltage	105 to 135Vac, standard three-prong plug
8.4.7.	Input frequency	50 to 60 Hz
8.4.8.	Protection	Automotive-style replaceable fuses
8.5.	Solar	
8.5.1.	Panels	One high-efficiency multi-crystal photovoltaic solar module
8.5.2.	Location	Above speed-limit sign, no shadowing effect on any trailer component. Solar panel lies flat; rises and rotates with display panel.
8.5.3.	Power	100W
		See "Options and Optional Equipment" for solar options
8.5.4.	Current	5.81A max. system current
		6.39A open short-circuit current
8.5.5.	Voltage	17.2Vdc max.
		21.6Vdc open short-circuit voltage
8.5.6.	Voltage regulation	Solar power input regulated by sign control system
8.5.7.	Security	Solar panel bolted to mounting frame with security screws and special security nut

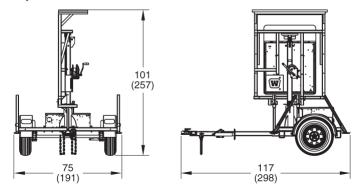
9. **DIMENSIONS & WEIGHT**

9.1. Dimensions

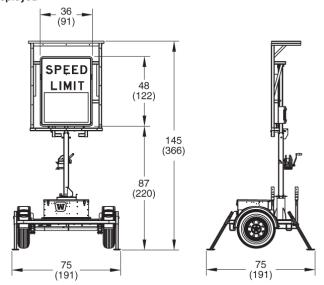
9.1.1. Small sign

inches (cm)

Travel position



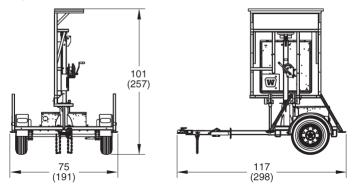
Deployed



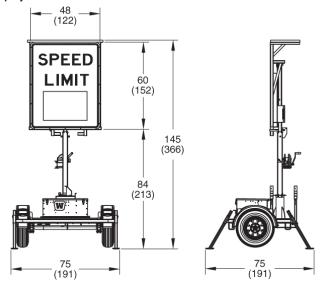
9.1.2. Large sign

inches (cm)

Travel position



Deployed



9.2. Weight

Approx. 1600 lb (726kg)

10. OPTIONS AND OPTIONAL EQUIPMENT

10.1. Remote communications

10.1.1. Modem Contact factory for latest available optional modems 10.1.2. Cellular plan User-provided cellular data plan replaces standard Wanco Cellular Service. User obtains data plan from service provider and makes payments to provider. Wanco programs modem according to user-provided specifications at time of modem purchase. Wanco tests modem setup. 10.2. **Beacons** Amber beacon lights flash in an alternating pattern (one is on while the other is off) **Options** Two 8" LED signal lights, side-mounted, one on each side of trailer; includes increased solar capacity to 200 watts Two 12" LED signal lights, side-mounted, one on each side of trailer; includes increased solar capacity to 200 watts Two 12" LED signal lights, one mounted above and one below regulatory signs; includes increased solar capacity to 200 watts One PAR 46 12Vdc LED rear-facing beacon 10.3. **Additional signs** Add signage to sign frame with speed limit sign and electronic display Examples: "WORK ZONE" and "\$250 FINE" Contact factory with requirements 10.4. Tow hitch 10.4.1. Combo hitch Combo-hitch for 2-inch ball and standard lunette ring for pintle hook, 2½" ID x 1" cross-section 10.4.2. Lunette ring **Options** Standard ring for pintle hook, 2½" ID x 1" cross-section Heavy-duty ring for pintle hook, 3" ID x 1%" cross-section 10.5. Tow-vehicle plug A variety of adapters are available to allow the standard connector to plug into nearly any tow vehicle receptacle. Contact factory for details. 10.6. **Ballasted trailer** Structural deck adds 370 lb (168kg) to overall weight at base of trailer, creating a low deck center of gravity and improving stability 10.7. Stabilizer jacks Four swivel jacks replace stabilizer legs, mounted on corners of trailer frame 10.8. Power system 10.8.1. Additional batteries For geographic locations with less solar charging potential or colder weather, and for applications that require year-round charging, add batteries for greater capacity

Add two Group GC2 deep-cycle batteries, 215Ah additional capacity

Option

10.8.2.	AGM batteries	Replace deep-	cycle batteries with	top-of-the-line absorbed glass mat (AGM) batteries
		Features	100% maintenance	e-free
			Sealed and spill-p	roof
			Faster recharge ar	nd greater freeze resistance than conventional batteries
			Contains less lead	than conventional batteries
		Options	Two 4D AGM 12V	dc batteries, 400Ah total capacity
			Three 4D AGM 12	Vdc batteries, 600Ah total capacity
		Weight	Approx. 160 lb (72	2kg) each
10.8.3.	Charger	When required higher ampera		charging capacity, replace standard remote charger with
		Option	12Vdc, 45A charge	er
		Details	Output voltage	13.4Vdc @ full load
				13.6Vdc standard float voltage
				14.2Vdc with dual-voltage jack installed
			Input voltage	108 to 132Vac, standard three-prong plug
			Input frequency	50 to 60 Hz
10.8.4.	Solar		nat require year-rou	solar charging potential or colder weather, and for nd charging, additional solar power is available; contact
10.8.5.	Secure battery box			heavy-gauge steel lid, hidden hinges, and heavy-duty standard battery box.
10.9.	Reflective tape	Reflective red-	-and-white conspicu	ity tape across rear trailer frame for increased visibility
10.10.	Finish color		-coat color and, if ap color matching.	oplicable, color scheme. Factory may require sample
10.11.	Traffic Data Classifi	er System		
10.11.1.	Design		requires no loops or	to log vehicles passing the sign. Radar-based device is hoses, and causes no disturbance of traffic flow during
10.11.2.	Direction	Registers both	approaching and do	eparting vehicles
10.11.3.	Traffic lanes	Most effective	e for 2-lane roads	
10.11.4.	Traffic count	Can record da	ta for up to 5 millior	vehicles in internal memory
10.11.5.	Data format	Speed, date, t	ime, direction, lengt	h for each vehicle

10.11.6.	Units	English or metric
10.11.7.	Time stamp	Yr,Mo,Dy,Hr,Min,Sec
10.11.8.	Speed range	5 to 138 mph (8 to 222 km/h)
10.11.9.	Sensor	Microwave K-band 24.125 GHz
10.11.10.	Power supply	Speed-limit trailer batteries
10.11.11.	Power output	20 dbm (EIRP)
10.11.12.	Current	110 mA
10.11.13.	Internal memory	16GB
10.11.14.	Baud rate	9600, 8 bit, no parity
10.11.15.	Calibration	Calibration not required
10.11.16.	Regulatory rating	FCC part 15 class A, Canadian RSS-210
10.11.17.	Installation	Automatically positioned when trailer is level; adjustable bracket allows user to point toward traffic at a 45-degree angle
10.11.18.	Analytic software	Wanco Traffic Analyzer
10.11.18. 10.12.	Analytic software Radar-based speed	
10.12.	Radar-based speed	monitoring system Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed
10.12. 10.12.1.	Radar-based speed Description	monitoring system Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed remotely using Wanco Fleet Manager.
10.12.10.12.1.10.12.2.	Radar-based speed Description Sensor Enclosure Standards	monitoring system Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed remotely using Wanco Fleet Manager. Microwave K-band, approach-only
10.12.10.12.1.10.12.2.10.12.3.	Radar-based speed Description Sensor Enclosure	Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed remotely using Wanco Fleet Manager. Microwave K-band, approach-only Radar head located below electronic display cabinet is sealed to withstand the elements
10.12.10.12.1.10.12.2.10.12.3.	Radar-based speed Description Sensor Enclosure Standards	Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed remotely using Wanco Fleet Manager. Microwave K-band, approach-only Radar head located below electronic display cabinet is sealed to withstand the elements FCC approved
10.12.1. 10.12.2. 10.12.3. 10.12.4.	Radar-based speed Description Sensor Enclosure Standards compliance	Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed remotely using Wanco Fleet Manager. Microwave K-band, approach-only Radar head located below electronic display cabinet is sealed to withstand the elements FCC approved CE compliant
10.12.1. 10.12.2. 10.12.3. 10.12.4. 10.12.5.	Radar-based speed Description Sensor Enclosure Standards compliance Distance range	Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed remotely using Wanco Fleet Manager. Microwave K-band, approach-only Radar head located below electronic display cabinet is sealed to withstand the elements FCC approved CE compliant 1000 ft. (305 m)
10.12.1. 10.12.2. 10.12.3. 10.12.4. 10.12.5. 10.12.6.	Radar-based speed Description Sensor Enclosure Standards compliance Distance range Speed range	Radar senses the largest, nearest mass moving toward it. Measured speeds can be viewed remotely using Wanco Fleet Manager. Microwave K-band, approach-only Radar head located below electronic display cabinet is sealed to withstand the elements FCC approved CE compliant 1000 ft. (305 m) 5 to 138 mph (8 to 222 km/h)