

# Variable Message Signs

## Full-Matrix and Three-Line



# The safest means for notifying motorists of changes in traffic patterns and road conditions.

Unsurpassed quality, engineering and value, paired with a multitude of functions and options, make these signs perfect for a wide variety of applications.

- Onboard controller
- Easiest programming in the industry
- Solar charging
- Low power consumption and more uptime
- Meets MUTCD and is NTCIP-compliant

Wanco full-matrix message signs are an ideal choice when you need to get information to the public. The full matrix allows the greatest flexibility for displaying any type of message—large or small letters, symbols and graphics.

Wanco three-line message signs are capable of displaying three rows of alphanumeric characters. The three-line's highly legible, ultra-bright LEDs display your message clearly.



Three-Line Sign  
WTLMB-SLL(A) Hydraulic lift  
WTLMB-SLL(B) Manual winch



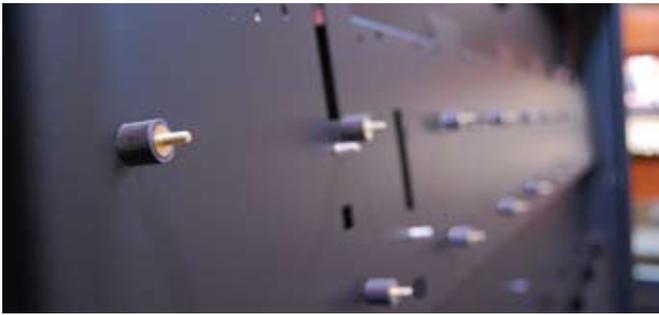
Mini Matrix Sign  
WVTM(A) Hydraulic lift  
WVTM Manual winch

Full-Matrix Sign  
(shown on front cover)  
WTMMB-SLL(A) Hydraulic lift  
WTMMB-SLL(B) Manual winch



Mini Three-Line Sign  
WVT3(A) Hydraulic lift  
WVT3 Manual winch

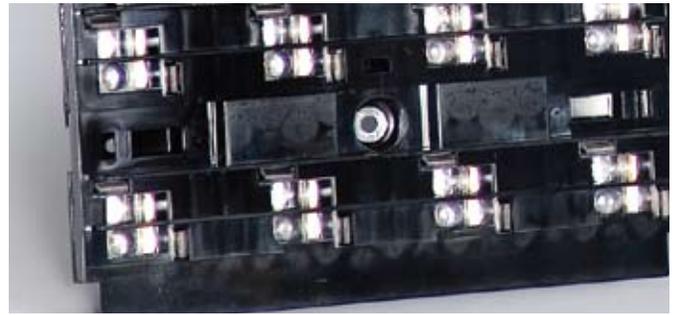
Signs are available as trailer-mount models, as well as truck-, pole-, and wall-mount versions. Optional accessories include radar-speed detection and traffic data collection, remote communications, GPS and more. For details, visit [www.wanco.com](http://www.wanco.com).



Rubber vibration-isolation mounts

Rubber vibration mounts decrease physical shock to the LED character modules and isolate them from chassis ground. This mounting technique prolongs the life of the modules, increasing both reliability and uptime.

The face of the sign cabinet is covered by an impact-resistant clear polycarbonate resin thermoplastic door that further protects the characters. The door is angled to reduce glare.



LED pixels

Characters feature clusters of four LEDs that comprise the “pixels.” An optical lens over each pixel magnifies the intensity of the LEDs and increases angularity. A visor shades each row of pixels from sunlight, maximizing brightness.

All Wanco character boards feature 5-mil silicone conformal coating, to provide long-term protection against moisture and other atmospheric contaminants.

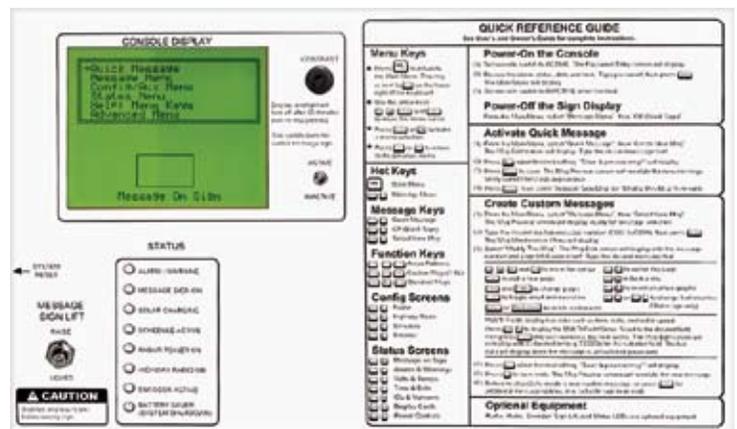


Wanco matrix signs provide a variety of font sizes and styles—many more than are shown here—as well as standard and custom symbols and graphics.

Wanco portable message signs have a self-contained onboard controller, making a laptop or external controller unnecessary.

Changing the message is simple, as Wanco signs feature the easiest programming in the industry. The control console includes an LCD display and quick-reference instructions for many common commands.

Signs come configured with preprogrammed standard messages. A quick-message function provides for display of select messages with a keystroke. Multiple programming options provide flexibility for multiple applications.



Matrix sign control panel



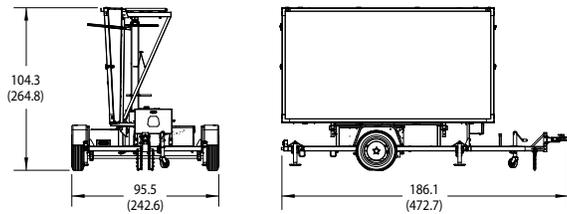
Unauthorized access to the control console is virtually eliminated with multiple-level password-protection, a removable keyboard, and a locking control box that deters tampering.

# Brief specifications

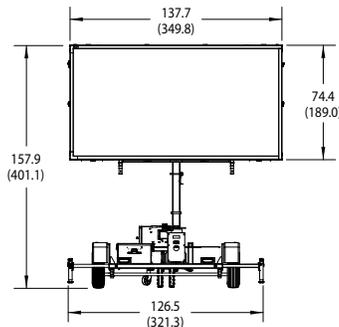
## Full-size signs

### Physical

Travel Position



Deployed



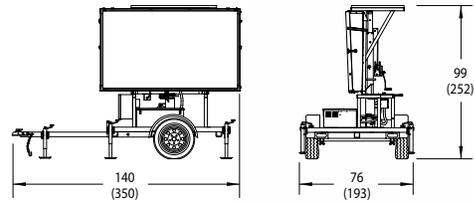
Dimensions in inches (cm)

Weight Approx. 2640 lbs. (1193 kg)  
Tires ST205/75 D15

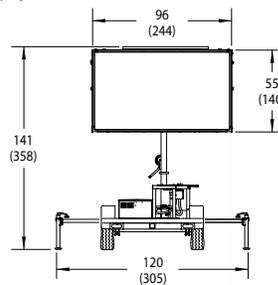
## Mini signs

### Physical

Travel Position



Deployed



Dimensions in inches (cm)

Weight Approx. 1580 lbs. (717 kg)  
Tires ST205/75 D15

## Matrix Signs

### Display

Resolution Four amber LEDs form each pixel  
Matrix 48 pixels wide, 27 pixels high  
Smallest characters 4 lines, up to 12 characters per line  
Largest characters 1 line, up to 6 characters

### Power

Batteries Six 6 V dc golf cart-type, wired for 12 V dc power  
Battery capacity 675 Ah total  
Solar panels<sup>1</sup> Two 80/85 W  
Optional solar panels<sup>2</sup> One 130 W and one 85 W  
Optional diesel engine<sup>2</sup> Lombardini 15 LD 350D  
7.5 hp (5.5kW) @ 3600 RPM  
1.3 qt. (1.2 L) deep oil sump  
Transparent polyethylene fuel tank, 30-gallon capacity

## Three-Line Signs

### Display

Resolution Four amber LEDs form each pixel  
Character size 5 pixels wide, 7 pixels high  
Characters 3 lines, 8 characters per line

### Power

Batteries Six 6 V dc golf cart-type, wired for 12 V dc power  
Battery capacity 675 Ah total  
Solar panels Two 80/85 W

<sup>1</sup> Mini-size signs only.

<sup>2</sup> Full-size signs only.

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