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.
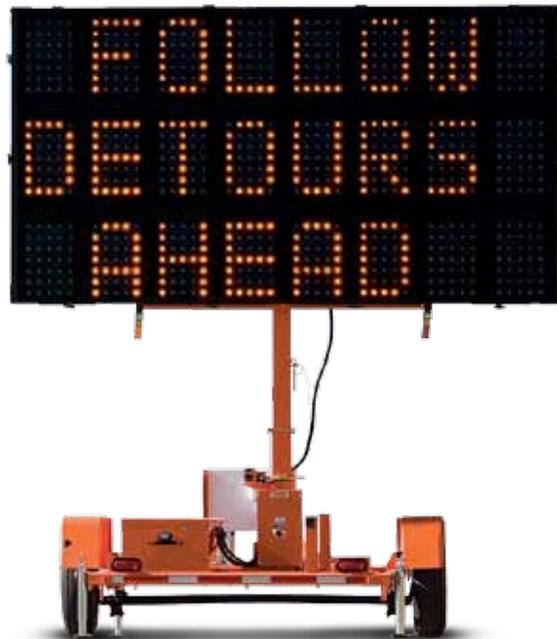

Mini Matrix Sign

| WVTM(A) | Hydraulic lift |
| WVTM(B) | Manual winch |

Full-Matrix Sign
(shown on front cover)

| WTMMB-(A) | Hydraulic lift |
| WTMMB-(B) | Manual winch |

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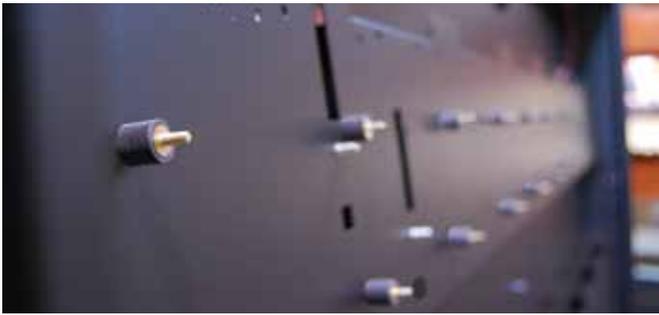
| WTLMB-(A) | Hydraulic lift |
| WTLMB-(B) | Manual winch |

Mini Three-Line Sign

| WVT3(A) | Hydraulic lift |
| WVT3(B) | Manual winch |

Signs are also available in truck-mount versions. Optional accessories include radar-based speed detection and traffic data collection, remote communications, Ethernet connection, GPS and more. For details, visit **www.wanco.com**.

Rubber vibration-isolation mounts

LED pixels

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.

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 MUTCD symbols and graphics. Signs can also be programmed to display custom 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 a backlit LCD interface 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.
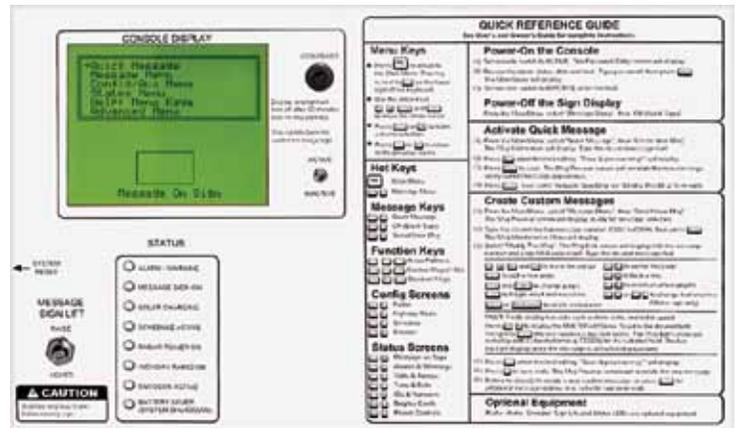
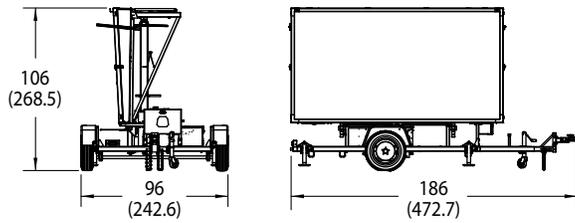**Matrix sign control panel**

Unauthorized access to the control console is virtually eliminated with multiple-level password-protection, a removeable keyboard, and a locking control box that deters tampering.
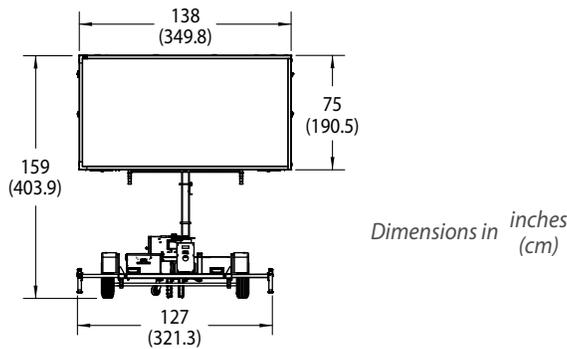
Brief specifications
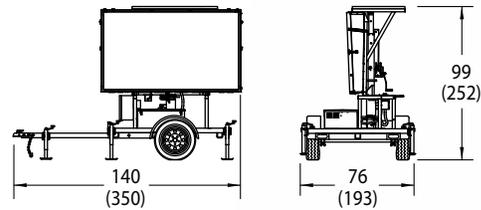
Full-size signs
Physical

Travel Position

106 (268.5)
96 (242.6)
186 (472.7)

Deployed

138 (349.8)
75 (190.5)
159 (403.9)
127 (321.3)

Dimensions in inches (cm)

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

Mini signs
Physical

Travel Position

99 (252)
140 (350)
76 (193)

Deployed

96 (244)
55 (140)
141 (358)
120 (305)

Dimensions in inches (cm)
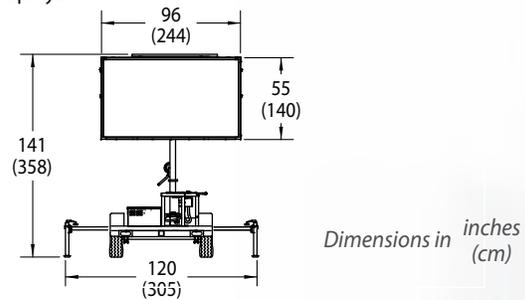
Weight	Approx. 1580 lbs. (717 kg)
Tires	ST205/75 D15

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	Four 6 Vdc golf cart-type, wired for 12 Vdc power
Battery capacity	450 Ah total
Solar panels[1]	85 to 130 W
Options	Additional batteries and solar panels
	4D AGM batteries
	Diesel engine[2]

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	Four 6 Vdc golf cart-type, wired for 12 Vdc power
Battery capacity	450 Ah total
Solar panels[1]	85 to 130 W
Options	Additional batteries and solar panels
	4D AGM batteries

[1] *Depending on sign size*
[2] *Full-size signs only*