



## Metro VMS



### WVTMM-L and WVTMM-M

Wanco's new Metro Variable Message Sign is our most compact portable message sign, designed for use in metropolitan areas. The Metro VMS features a full matrix of high-efficiency LEDs for outstanding legibility with reduced energy consumption and superior performance.

#### Details



The Metro is a compact message sign on a compact trailer. The full-matrix display can present messages as text, graphics, or a combination of both, for traffic safety, emergency response, and special events. The display is available in two sizes, the larger of which can show up to five lines of text.

The trailer is easy to maneuver and deploy, particularly in urban areas where traffic is heavy and space is limited. For optimal positioning, the sign rotates independent of the trailer, and its height is fully adjustable using the integrated heavy-duty hand-winch. Optional jack-legs and outriggers provide more adjustability and added stability. Power for the Metro is provided by maintenance-free batteries and a automated solar charging system.

For ease of use, the Metro uses Wanco's handheld controller with high-resolution, full color touchscreen interface. The touchscreen provides access to all the functions of our standard interface, widely known as the industry's easiest to use. A bright 7-inch screen with big buttons and an intuitive interface is easy to see in bright light and is weatherproof for use in adverse conditions.

#### Features

##### Setup

- Under 1500 pounds, can be towed by most vehicles
- Standard 2-inch ball coupler tow-hitch
- Heavy-duty hand-winch allows one person to easily raise and lower the message board
- Tower rotates for optimal positioning

### Operation

- Touchscreen controller, no laptop required
- Preprogrammed text messages, symbols and graphics
- Multiple alphanumeric fonts
- Extra-bold arrow patterns
- Internal clock facilitates schedule programming
- High-efficiency LEDs for outstanding legibility
- Energy-efficient operation
- Optical lenses and sunshades increase visibility

### Power system

- Solar panels charge batteries automatically without intervention
- Auto-charger shuts down when batteries are fully charged, preventing damage
- Cooling fans prevent overheating
- Battery box can be locked to prevent unauthorized access

### Maintenance

- Maintenance-free batteries
- Individual character modules can be replaced easily
- Standard 15-inch trailer tires
- Heavy-duty bolt-on steel fenders can be replaced if damaged
- Durable powder-coat finish resists the elements

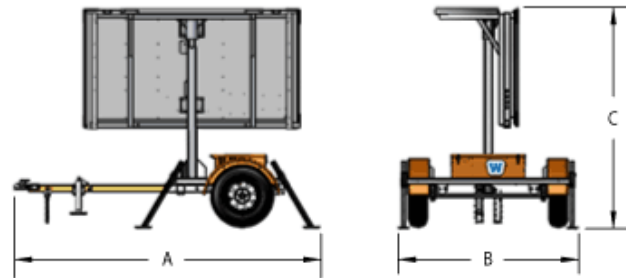
### Standards compliance

- NTCIP compliant
- Meets MUTCD

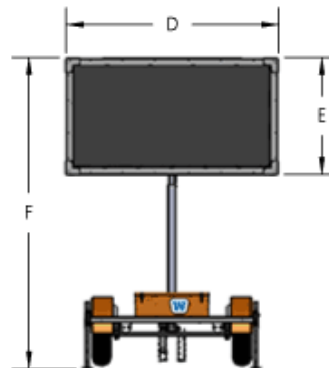
### Specifications†

#### Dimensions — inches (cm)

Travel Position



Deployed



|                     |     | Large sign       | Medium sign      |
|---------------------|-----|------------------|------------------|
| Length              | (A) | 120 in. (305 cm) | 120 in. (305 cm) |
| Width               | (B) | 78 in. (198 cm)  | 78 in. (198 cm)  |
| Travel height       | (C) | 98 in. (249 cm)  | 85 in. (216 cm)  |
| Sign cabinet width  | (D) | 89 in. (226 cm)  | 72 in. (183 cm)  |
| Sign cabinet height | (E) | 49 in. (124 cm)  | 49 in. (124 cm)  |
| Deployed height     | (F) | 131 in. (333 cm) | 118 in. (300 cm) |

### Weight

|             |                            |
|-------------|----------------------------|
| Large sign  | Approx. 1500 lbs. (680 kg) |
| Medium sign | Approx. 1400 lbs. (635 kg) |

### Construction

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Trailer       | MIG-welded, 2 x 3-inch square steel tubing                                                                |
| Sign cabinet  | Aluminum sheet                                                                                            |
| Coating       | Powder-coated and oven-baked                                                                              |
| Axle assembly | 2000-lb. capacity tubular axle<br>5-hole 4.5-inch bolt circle pattern on idler hub<br>60-inch wheel track |
| Tires         | Double eye leaf springs, 1200-lb. capacity per spring<br>ST205/75 D15                                     |

### Display

|                 |                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pixel matrix    | 34.3mm pitch, 240mm equivalent height<br>Large sign, 60 x 30 pixels<br>Medium sign, 48 x 30 pixels                                                                       |
| Message display | 10-inch standard font height<br>Up to 12 fonts, from 4 x 5 to 11 x 23 pixels<br>Up to 12 characters per line<br>Up to 5 lines of text with smallest font on largest sign |

†Specifications subject to change without notice.

## Options†

### Charging system

- Additional batteries
- Additional solar power

### Tow hitch

- Combo-hitch for 2-inch ball and 3-inch pintle hook

### Other options

- Extendible outrigger jack stands for added stability
- [IP modem for remote monitoring and message control](#)
- [Radar-speed package for monitoring traffic](#)
- [Traffic data collector](#)
- [Remote-access GPS package for mapping sign location](#)

†Some options may not be available for aftermarket installation. Please consult factory.