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Traffic Safety Corporation  
2708 47th Ave.  
Sacramento, CA 95822-3806  
U.S.A.

# Changeable Message Display Trailer Mounted

*"GET THE MESSAGE ACROSS"*

MODEL MB8249WT

## FEATURES

- Graphic Capability
- Compact Trailer Design
- Quick Message Selection
- Removable Tongue
- Lockable Cabinets
- Password Protection
- Powder Coat Paint
- Tongue Jack (with wheel)
- NTCIP Controller Standard
- Photocell for Auto dimming
- Independent Module Operation
- RF Immunity



## Quick Selection Switch



### Quick Message Selection Switch

you are able to switch between the first 16 user defined messages that you have created. This will allow for field workers to have no experience in programming - just turn the thumbwheel to desired message number.

## Graphic Capability



- MUTCD Symbols
- Arrow Board Patterns

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## General Specifications for Model MB8249WT

Solar Powered, Portable Changeable Message Sign. Capable of three lines of alphanumeric 10" high text and graphics/animations, all LED display, self contained on-board computer, multiple alphanumeric fonts, powder coat paint system, and display is 82" x 49", with winch style trailer. Supports up to 260 predefined messages (text and graphics). Supports storage of up to 100 changeable messages. System comes standard with four-(4) 6-volt batteries (totaling 450 amps) and 160 watts of solar. NTCIP Compliant.

### Trailer

**Width:** 68<sup>1/2</sup>"  
**Length with tongue:** 104-3/4"  
**Length without tongue:** 55"  
**Transport Height:** 97"  
**Salt Spray:** 1,000 hours  
**Paint:** Powder Coat  
**Main frame:** 2"x2"x1/8"  
**Front/Rear Cross members:** 2"x2"x1/8"  
**Wheels:** 15"  
**Axle:** 3500lbs leaf spring  
**Fenders:** 16 gauge bolt on  
**Jacks:** (4) adjustable corner jacks & tongue jack with wheel.  
**Hitch:** 2" ball

### Display Modules

**Pixel Matrix:** 27x48 Pixel Arrangement  
**LED Module:** Each is 6x9 matrix  
**LED's Per Pixel:** 3  
**LED Type:** Agilent amber 592NM  
**Viewing Angle:** 30 degrees  
**Visibility:** 4800 feet  
**Hours:** 100,000 hour LED  
**Lines:** Displays 3 lines of text and also displays **Graphics**  
**Characters per line:** 8 (12 characters optional)  
**Character Height:** 10"  
**\*If one module fails the remainder of board is unaffected.**

### Options

Locking lug nuts  
Cell Modem  
Radar  
Pintle ring or bulldog hitch  
Electric or hydraulic brakes  
Custom Paint  
Other Options available

### Display Enclosure

**Construction:** Extruded Aluminum 6063 alloy  
**Length:** 82" **Width:** 49" **Depth:** 6"  
**Paint:** Powder coat paint  
**Salt Spray:** 1000 hours  
**UV Resistant:** 500 hours  
**Seal:** Weather resistant  
**Venting:** Vented top and bottom  
**Front face:** 1/8" Lexan UV matte finish  
**Raising and lowering of display:** Winch

### Power and Charging

**Batteries:** (4) 6 volt 450 combined amp batteries  
**Battery Charger:** 110 Volt, 1000 watt, 60amp  
**Recharge:** 24 hours  
**Onboard diagnostics to monitor:** Solar, battery, and load  
**Reliability:** 30 days without sunlight  
**Solar:** (2) 80 watt Solar panels  
**Regulator:** 30 amp regulator with low voltage & high voltage disconnect.

### Controller

**Preprogrammed Messages:** 260 also includes arrow and MUTCD symbols  
**User programmable:** 100  
**Message Timing:** Slow, medium, fast  
**Dimming:** Auto or Manual  
**Protection:** Password  
**Quick Message Selection:** Thumbwheel to quickly select between 16 user programmable messages.  
**Controller Display:** LCD  
**Data Entry:** Mini Keyboard  
**Memory:** Non volatile  
**\*Pre-wired to accommodate radar, cell modem, and PC**  
**\*\*"Auto Resume" after power failure**