K&K Systems, inc.
Traffic Safety Products Manufacturer

Changeable Message Display
Trailer Mounted

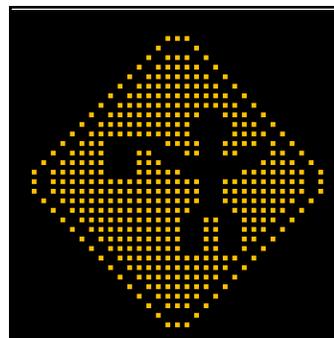*"GET THE MESSAGE ACROSS"*

MODEL MB8235WT

FEATURES

- Graphic Capability
- Quick Message Selection
- Removable Tongue
- Lockable Cabinets
- Password Protection
- Powder Coat Paint
- Tongue Jack (with wheel)
- 1/8" Lexan Face
- NTCIP Controller
- Independent Module Operation
- Photocell for Auto dimming
- RF Immunity

Hand-held Programming Terminal

- LCD Screen
- Onboard computer
- Continuous message preview

Graphic Capability

- MUTCD Symbols
- Arrow Board Patterns

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GSA
Since 1997

General Specifications for Model MB8235WT

Solar Powered, Portable Changeable Message Sign. Capable of two lines of alphanumeric 10" high text and arrow patterns, all LED display, self contained on board computer, multiple alphanumeric fonts, powder coat paint system. Display is 82" x 35", with winch style trailer. Supports up to 215 predefined messages (text and arrow patterns). Supports storage of up to 100 changeable messages. System comes standard with four-(4) 6-volt batteries and 120 watts of solar.   NTCIP Compliant.

Trailer

Width: 68$^{1/2}$"
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: 16x42 Pixel Arrangement
LED Module: Each is 6x9 matrix
LED's Per Pixel: 3
LED Type: Agilent amber 592NM
Viewing Angle: 30 degrees
Hours: 100,000 hour LED
Lines: Displays 2 lines of text and also displays **Arrows**
Characters per line: 8
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:** 35"   **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: Manual 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
Solar: 120 watt Solar panel
Regulator: 30 amp regulator with low voltage & high voltage disconnect.

Controller

Preprogrammed Messages: 215 also includes arrow patterns
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: Hand-held Programming Terminal
Memory: Non volatile
*Pre-wired to accommodate radar, cell modem, and PC
*"Auto Resume" after power failure