



K&K Systems, inc.
Traffic Safety Products Manufacturer

PORTABLE CHANGABLE MESSAGE BOARD

MODEL #MB8249WT

The MB8249WT Portable Changeable Message Sign is solar powered. It is capable of three lines of alphanumeric 10" high text and graphics/animations. The all LED display is self-contained and programmed with NTCIP compliant an on-board keyboard that supports custom and predefined messages in text and graphics. The display measures 82" x 49" and is mounted on winch style trailer that has a powder coat finish for durability. The display is powder coated matte black to reduce glare and is protected by a Lexan face.



On-board Controller

FEATURES

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



MODEL #MB8249WT

PORTABLE MESSAGE SIGN

TRAILER MOUNT SERIES

TRAILER

Width: 68" fender to fender
Length with tongue: 148"
Length without tongue: 99"
Transport Height: 97"
Operating Height: 167"
Salt Spray: 1,000 hours
Paint: Powder Coated
Main frame: 2"x 5"x 1/8"
Front/Rear Cross members: 2"x 3"x 1/8"
Wheels: 15"
Axle: 3500 lbs double leaf spring
Fenders: High-density polyethylene
Jacks: (4) adjustable corner jacks & tongue jack with wheel
Tongue and Safety Chains: 2" ball hitch; 1/4" safety chains with hooks

SIGN DISPLAY

Pixel Matrix: 21x40 Pixel Arrangement
LED Module: Each is 5x7 matrix
LED's Per Pixel: 4
LED Type: Agilent amber 592NM
Viewing Angle: 30 degrees
Visibility: Up to 1 mile
Hours: 100,000 hour LED
Lines: Displays 3 lines of text and graphics
Characters per line: 8 characters (12 optional)
Character Height: 10"

**If one module fails, remainder of board is unaffected*

DISPLAY ENCLOSURE

Construction: Extruded Aluminum 6063 alloy
Length: 82"
Width: 49"
Depth: 6"
Paint: Powder coated matte black
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: Electro-hydraulic
Secondary raise and lowering: Manual hand pump

POWER AND CHARGING

Batteries: (4) 12 volt batteries for combined 400 amps
Battery Charger: 10 volt, 1000 watt, 60 amp
Recharge: 24 hours
On-board diagnostics to monitor: Solar, battery, and load
Solar: (1) 140 watt solar panel
Regulator: 30 amp regulator with low voltage & high voltage disconnect.

CONTROLLER

Preprogrammed Messages: 260 including arrows 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.

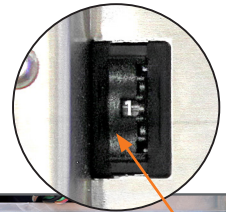
Controller Display: LCD
Data Entry: Mini Keyboard
Memory: Non volatile

**Pre-wired to accommodate radar, cell modem, and PC*

**"Auto Resume" after power failure*

OPTIONS

- ▶ Locking lug nuts
- ▶ Radar
- ▶ Pintle ring or bulldog hitch
- ▶ Electric or hydraulic brakes
- ▶ Custom Paint
- ▶ Outrigger Stability Supports
- ▶ Other Options available



K&K Systems' **Quick Message Selection Thumbwheel** switches between the first 16 user defined messages. Roll the thumbwheel to desired message number to display a message.



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