



As Reliable as the Sun

Silent Messenger MTO Message Board MTO Approved

USES AND ADVANTAGES OF MB-3056-MTO

The "Silent Messenger" MTO Message Board is a rugged portable changeable message board designed to provide communications to improve traffic flow and safety in Canadian highway work zones.

The message board measures 126" w x 76" h, powered by a combination of solar panels and batteries, mounted on a sturdy steel trailer with a lift and rotate telescoping mast.

The sign comes with integrated modem, GPS, and free five year cellular service. Use with SolarTech's Command Center software for remote communications - messages can be changed and managed remotely from an office pc or a smartphone.

Details about MTO compliance on back and at www.roadauthority.com.

REMOTE CONTROL AND GPS TRACKING INCLUDED!

Command Center software allows you to track your equipment using the built-in modem and GPS system.

Access units from a map or list. Control units individually or broadcast to a group.

Manage your fleet from your laptop, pc or smartphone... without leaving your desk!

You can build a message library, share messages between boards, schedule messages and more.

Get automatic email notifications when a message changes, if the battery voltage is low, if a panel fails, or the unit moves.

Keep tabs on your whole fleet. No more misplaced equipment... fewer problems... less downtime!



EASY-TO-USE CONTROLLER

The touch-screen controller needs no manual - it's that easy to use!



Touch-screen controller includes:

- GPS, modem & 5 years of cellular service
- Password protection
- Intuitive icons for ease of use
- Switch languages with one click
- Scheduling capability
- Fully networkable
- NTCIP version 2 compatible
- Automatic software upgrades



Silent Messenger MTO Message Board



DISPLAY

Panel Size	126" wide x 76" high (320 cm x 193 cm)
Panel Construction	All aluminum, modular construction
Panel Face	3/16" polycarbonate, non-glare
Matrix Size	30 x 56 pixels (standard)
Pixel Pitch	2.2" x 2.2" (56 mm x 56 mm)
Characters per Line	Up to twelve (12) for MTO2 font, 14 for other fonts
Number of Fonts	Twelve plus MTO2 font
No. of Lines (MTO Font)	Up to Three (3)
No. of Lines (all other Fonts) ..	Up to Four (4)
Character Height	11" to 66" (280 mm to 168 mm)
Graphics Capability	Full matrix with full animation
Display Technology	LED (amber, 592 nm)
Display Brightness	>10,000cd/m2 (candela per sq. meter)
Viewing Angle	23° horizontal (minimum)
Display Life Expectancy	10 years typical
Lifting Mechanism	2,000 lb. capacity electro-hydraulic

TRAILER

Length & Width Overall	180" (457 cm) long x 92" (234 cm) wide
Width Across Fenders	92" (234 cm)
Height Traveling	103" (262 cm)
Height Operating	162" (412 cm)
Ground Clearance	13" (33 cm)
Weight	2,400 lbs. (1,089 kg) min., 2,960 lbs. (1,343 kg) max.
Coupler (Class III)	2" (50 mm) ball or 3" (76 mm) pintle ring
Axle/Suspension	Torq flex, independent

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low power solid state
Console Touchscreen	Waterproof, backlit, full-color GUI, intuitive icon-driven, multi-lingual
Programming Software	Proprietary, field upgradable
Message Capacity	Pre-programmed and user-programmed - greater than 250 each
Time-Date Control	Real-time clock/calendar (365 day)
Message Display Time	User-selectable (0.1 to 99 seconds)
Display Update Time	Instantaneous
Non-Volatile Memory	Separate backup battery
Password Protection	User-selectable, multi-level
Operator Interface	Easy-to-use icons (no manual required)
Connectivity	Networkable (wired or wireless) and NTCIP compatible (Ethernet and RS-232)

ENERGY SOURCE

Operating Voltage	12 volts DC (nominal)
Batteries	Four (4) heavy duty AGM 6 volt batteries
Battery Bank Capacity	520 amp hours
Battery Status Indicator	Displays battery voltage, charging activity and low battery condition
Solar Array Construction	Top mounted solar panels in aluminum frame
Solar Array Power Output	Standard 320 watt (nominal)
Solar Charge Controller	Automatic, temperature compensated
Auxiliary Battery Charger	45 amp, 120 volt AC, line powered
Battery Security	Anti-theft steel battery frame bolted to trailer

BATTERY CHARGER UPGRADE OPTION: 90 amp - 120 volt AC

RADAR OPTION: Directional doppler K-Band. User-configurable KPH or MPH. Data Collection and Statistical Analysis Package included.



Cellular Starter Kit

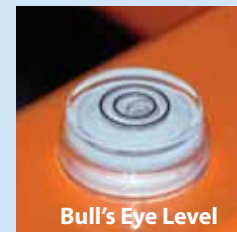
GPS and Cellular Remote Control



Lift and Rotate Solar Panels



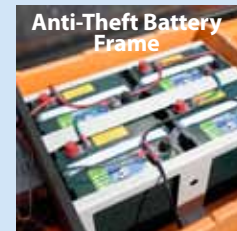
AGM Batteries



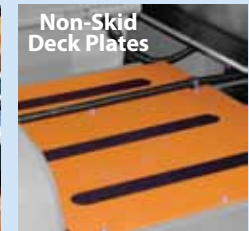
Bull's Eye Level



Sign Panel Compass



Anti-Theft Battery Frame



Non-Skid Deck Plates



3" Pintle Ring Coupler



6-pin Round Trailer Plug



Reflective Tape on Trailer



Orange Reflective Tape on Board



Security Hardware



Hydraulic Surge Brakes



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