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.

**USES AND ADVANTAGES OF MB-3056-MTO**

**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

**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!

www.solartech.com
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)
Number of Fonts ........................ Two: MTO2 and MTO4
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)
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.

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