



As Reliable as the Sun

# Silent Messenger Message Boards Full-Sized

## USES AND ADVANTAGES

The "Silent Messenger" full-sized Message Board is the cornerstone of the SolarTech product line. This rugged portable changeable message board is designed to provide information to improve traffic flow and safety in work zones, for both drivers and workers.

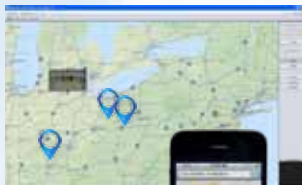
The Silent Messenger consists of a 126" w x 76" h board with multiple LED light panels on a sturdy steel trailer, powered by a combination of solar panels and batteries. The sign telescopes on a lift and rotate mast, and can be angled for optimal visibility.

The sign comes with integrated GPS and modem, and with **FREE lifetime cellular service**. Use with Command Center software for remote communications - messages can be changed remotely from a pc or a smartphone.



## 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 if 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! Includes:

- GPS, modem and free cellular service
- Password protection
- Intuitive icons for ease of use
- Scheduling capability
- Fully networkable
- NTCIP version 2 compatible
- Automatic software upgrades



[www.transafeproducts.com](http://www.transafeproducts.com)



# Silent Messenger Message Board

## DISPLAY

Panel Size .....	126" x 76" (320 cm x 193 cm)
Panel Construction .....	All aluminum, modular construction
Panel Face .....	3/16" polycarbonate, non-glare
Matrix Size .....	27" x 48 pixels
Pixel Pitch .....	2.6" x 2.6" (66 mm x 66 mm)
Characters per Line .....	Up to twelve (12)
Number of Lines .....	Up to four (4)
Number of Fonts .....	Twelve (12)
Character Height .....	13" to 68" (33 cm to 173 cm)
Graphics Capability .....	Full matrix with full animation
Display Technology .....	LED (amber, 592 nm)
Display Brightness .....	>10,000 candela per square meter
Viewing Angle .....	23° horizontal (minimum)
Display Life Expectancy .....	10 years typical
Lifting Mechanism .....	2,000 lb. capacity electro-hydraulic

## TRAILER

Length Overall .....	180" (457 cm)
Width Overall .....	92" (234 cm)
Height Traveling .....	103" (262 cm)
Height Operating .....	162" (412 cm)
Ground Clearance .....	13" (33 cm) minimum
Weight (minimum) .....	2,400 lbs. (1,089 kg)
Weight (maximum) .....	2,960 lbs. (1,343 kg)
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 with automatic remotely managed upgrades (field upgradable for units not connected to Command Center)
Message Capacity .....	Pre-programmed and user-defined (> 250 each)
Message Display Time .....	User-selectable (0.1 to 99 seconds)
Display Update Time .....	Instantaneous
Non-Volatile Memory .....	512 MB compact flash
Password Protection .....	User-selectable, multi-level
Operator Interface .....	Easy-to-use icons (no manual required)
Connectivity .....	Supports NTCIP version 2 via UDP/IP over Ethernet, UDP/IP over the built-in cellular modem, and PMPP over RS-232.
Remote Control .....	Embedded cellular transceiver with free cellular service and fleet management software included
GPS .....	Integrated GPS receiver

## ENERGY SOURCE

Operating Voltage .....	12 Volts DC (nominal)
Battery Type .....	6 Volt heavy duty, deep cycle (GC-2) Number of Batteries .....
	Four (4) standard lead acid (flooded)
Battery Bank Capacity .....	520 amp hours
Battery Status Indicator .....	Displays battery voltage, charging activity and low battery condition
Battery Security .....	Anti-theft steel battery frame bolted to trailer
Solar Array Construction .....	Top-mounted solar panels in aluminum frame
Solar Array Power Output .....	Standard 160 watt (nominal)
Solar Charge Controller .....	Automatic, temperature compensated
Auxiliary Battery Charger .....	45 amp, 120 volt AC



## OPTIONS AND UPGRADES

### DISPLAY PANEL

- High-Definition Display - 30 x 56 pixels 2.3" (58 mm) pixel pitch

### SOLAR ARRAY OPTIONS

- 240 watt • 320 watt • 400 watt • 480 watt

### BATTERY UPGRADES

Type	Number	Capacity
Lead-Acid (flooded)	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
	Ten (10)	1300 amp hour
	Twelve (12)	1560 amp hour
Gel Cell or AGM (maintenance free)	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
	Ten (10)	1300 amp hour
	Twelve (12)	1560 amp hour

### BATTERY CHARGER UPGRADES

- 90 amp - 120 volt AC • 55 amp - 230 volt AC
- 40 amp - 230 volt AC

### BRAKES

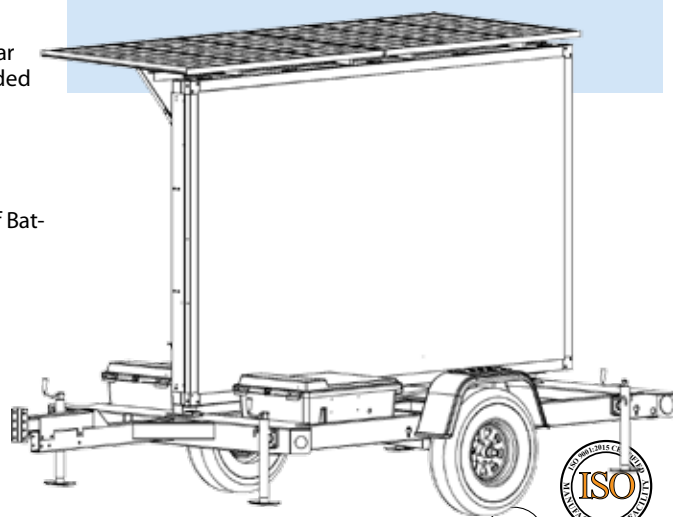
- Hydraulic Surge Brakes (5,000 lb. Capacity)
- Electric Brakes

### SECURITY OPTION

Vandal-Proof Battery Box reinforced steel cage

### RADAR OPTIONS

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



1625 Spectrum Drive, Suite 100  
Lawrenceville, GA 30043  
770.962.2222