SolarTech®

Harness the Power of the Sun

SILENT MESSENGER
DYNAMIC MESSAGE SIGN

LEFT LANE
CLOSED
AHEAD

103"
262 cm

126" x 76"
320 cm X 193 cm
DISPLAY

* Shown in lowered "towing" position

177"
454 cm

Powerful Control Technology included with each unit:

MEGA-TECH TOUCHSCREEN CONTROLLER

- Intuitive, 10.4" LCD touch-screen GUI.
- So easy to operate that no instructions are needed!
- Multi-lingual capability allowing use throughout the world.
- Message scheduler for date/time and event-based messages.
- NTCIP compatibility for fast, simple integration into standard ITS installations.
- Integrated GPS receiver.
- USB "thumb drive" interface for fast, easy software updates (via the SolarTech website), as well as data collection (with optional Radar).

Remote Control and Diagnostics (with Modem Option)

COMMAND CENTER
**Manage, Monitor and Segment your Fleet of Traffic Safety Equipment**
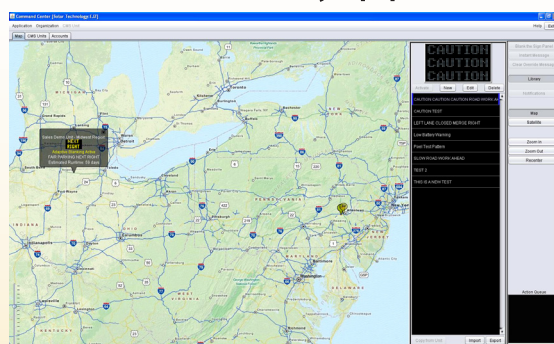
- GPS mapping of all units
- Group control and management of fleet
- Limit Liability - permanent log records what messages are displayed, and when
- Automatic notifications and alerts

Notifications

Notification Condition	None	Some	All
Sign Panel Display Errors:			
Sign Panel Pixel Failures:			
Photocell Failures:			
Battery Voltage Below 12V:			
Projected Runtime less than 7 Days:			
Displayed Message Changes:			
Unit Moves 500':			
Communications Status Changes:			

Cancel   Ok

- Be notified of message change, location change, low battery, etc.
- Improve worker and driver safety
- Make fewer trips to the site by using remote diagnostics
- Have less "down time"

SMARTPHONE CONTROL

- Full control of your message board from your smartphone.
- No software or apps required.
- Totally secure - IP Address, user name & password required.
- Messaging - system status, geo-location and diagnostics accessible from anywhere that your smartphone works.
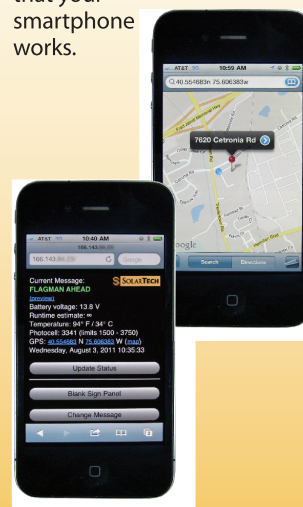
310-SIGN

Have any questions about these products? **Speak to an expert at 310-SIGN**.

📞 Toll Free North America **1-844-289-7446**

@ hello@310sign.ca

310SIGN.CA

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 (standard)
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)
Width Across Fenders .... 92" (234 cm)
Height Traveling .... 103" (262 cm)
Height Operating .... 162" (412 cm)
Ground Clearance .... 13" (33 cm) minimum
Weight .... 2,400 lbs. (1,089 kg) minimum
                                                            2,960 lbs. (1,343 kg) maximum
Coupler (Class III) .... 2" (50 mm) ball or 3" (76 mm) pintle ring
Axle/Suspension .... Torq flex - independent

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
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

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 .... 512 MB compact flash
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)
GPS .... Integrated GPS receiver

All models meet or exceed the standards for Portable Changeable Message Signs as listed in the U.S. Federal Highway Administration (FHWA) Manual or Uniform Traffic Control Devices (MUTCD). Specifications subject to periodic updates as required without notice.

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OPTIONAL FEATURES AND UPGRADES

Display Panel

• Mega-Flux Display - 60° Viewing Angle
• High-Definition Display - 30 x 56 pixels 2.3" (58 mm) pixel pitch (available in standard or Mega-Flux)

Brakes

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

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

Solar Array Upgrades

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

Battery Charger Upgrades

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

Remote Control Options

• Short range wireless - 802.11 WiFi
• Cellular wireless - GPRS (CDMA/GSM) with GPS
• Solar Comm - secure, low cost GSM

Radar Options

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

OTHER SOLAR TECH PRODUCTS

SILENT SENTINEL
Trailer and Vehicle Mount Arrow Boards

SILENT MESSENGER II
Mid-Size Trailer and Vehicle Mount Message Boards

SILENT MESSENGER III
Small-Size Trailer and Vehicle Mount Message Boards

SILENT MESSENGER IV
Small-Size Trailer and Vehicle Mount Message Boards

SILENT SENTINEL
Trailer and Vehicle Mount Arrow Boards

SILENT ADVISOR
Low and High-Speed Application Radar Speed Trailers

INCIDENT RESPONSE TRAILER
Work Zone Trailer with Cones and Barrels

SOLAR-POWERED PORTABLE TOWER TRAILER
Platform for Cameras, Sensors and/or Lighting

SOLARTRAK
Monitoring and GPS Tracking of Construction Equipment