

Specifications

Portable Traffic Signal

STANDARD CONFIGURATION

Dimensions

Overall

Deployed Height: Pavement to bottom of upper signal head.17' 0"
Deployed Height: Pavement to bottom of lower signal head.10' 0"
Transport Height: Pavement to top of upper signal head.....9' 2"
Transport Height: Pavement to top of lower signal head.....7' 11"
Height: Transport.....9' 9"
Width: At widest point.....8' 3"
Length: Master Trailer with hitch.....14' 5"
Length: Remote Trailer with hitch.....12' 9"
Length: In tandem tow configuration.....25' 4"
Gross Weight: Master.....3,940 lbs.
Gross Weight: Remote.....3,780 lbs.
Distance: Between signal heads.....10' 0"



Features

- Designed to tow in tandem or individually
- Monitors and manages battery consumption
- Wireless programming & operation
- Embedded conflict monitor
- Multi-level pre-emption
- Electric-hydraulic powered mast – one switch to raise and lower mast – one switch to extend and retract signal arm
- 90 mph wind load certified
- Batteries provide 21 day run-time without solar charging
- 110v ac plug-in alternative
- Completely self contained, no external power source required
- Radio-interconnect up to 30 trailers
- Run up to 16 phases of traffic
- Store 20 pre-set signal programs per two trailer system. Create and store your own custom programs
- Wireless Programming via hand-held PDA
- 4 programmable traffic sensor channels per trailer

Available Options

- Microwave, doppler, video, audio & optical sensors
- Back plates
- GPS, remote monitoring
- Flagger/Remote controller
- Pre-emption (emergency vehicle)
- Pilot car operation
- 3rd signal head

Specifications describe standard products. Variations exist to meet particular project requirements. Specifications are subject to change without notice.



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Standard Trailer

Steel Control & Battery Boxes

- Lockable
- Metal boxes
- Sealed weatherstripping
- Non-slip treads on top
- Easy control access
- Operator faces oncoming traffic

Galaxy Controller

- Wireless programming & operation
- Easy to set-up and operate
- Standard traffic programs stored & ready to use
- Increase fleet interoperability
- Operate remotely or from a central location
- Control up to 16-phase intersections
- Progressive flow synchronization
- Weather proof enclosure
- Completely portable

Signal Head

- 12" diameter, standard ITE approved
- Rotate and lock in 10° increments
- Two signal head assemblies
- Outer signal head is permanently mounted
- Inner signal head can be mounted over the roadway or at lower position the on mast
- Multiple horizontal & vertical positioning enhance signal visibility
- Arm extension allows signal to be centered on roadway while trailer sits in the clear zone

Mast

- Electro-hydraulic powered 12VDC
- One switch to raise and lower mast
- One switch to extend and retract arm

Batteries & Solar

- 16, 6V, 225 amp-hour deep cycle HD batteries wired in a 12VDC configuration
- 21 day run time without solar recharging
- Six, 85-90W solar panels standard



Wireless Operation - Proven Performance

Trailer Construction & Materials

Key features:

- Heavy-duty, ASTM A500B, structural steel tubing
- Frame, steel tubing size: 4" x 2" x 3/16"
- MIG welds
- Highway Safety Orange powder coat finish (custom colors available)
- Fenders: Bolt-on, heavy-duty, 10-gauge, steel with non-slip treads
- Drop axle
- Heavy-duty swivel jacks
- Electric brakes
- NATM Certified Trailer
- Custom hitch/coupler/pintle sizes available upon request

Wireless Operation Provides Total Control

Our comprehensive, easy-to-use Galaxy controller is capable of driving a single temporary traffic signal or an entire network. Users can program and store everything from simple flagger functions to complex 16-phase intersections.

Key features:

- Wireless programming and operation
- Manages and monitors power consumption of LED signal heads, sensors and radios
- Library of traffic programs installed & ready to apply