



"You're On Our Radar"

Speed Monitor™ Full Matrix Message Trailer

POLICE RADAR • POLICE LASERS • SURVEY LASERS • SPEED SIGNS

Display Messages & Calm Speeds

The Speed Monitor Full Matrix Trailer combines customized messaging and speed control capabilities into a single device. The Trailer has a full-graphics display sign capable of displaying one, two, or three line messages or graphic characters.

The on-board radar allows the trailer to switch to a speed-related message (like "Your Speed is XX" or "SLOW DOWN") whenever the over speed threshold is exceeded. The library of standard messages covers most situations, but the messages can be tailored to any need.

The unit comes standard with a 100 Watt solar charging system and AC battery charger. Optional equipment includes extra batteries and a traffic computer.



Features

Custom message or speed display mode can easily be programmed using the supplied hand-held controller

Speed-based message override allows display of custom messages based on vehicle speeds

See-through design makes deployment safe in areas with pedestrian traffic

Folds down to 40-inch height for easy towing

Maintenance-free counter weight installed for easier raising and lowering of sign

Advanced approach-only directional radar

Graffiti-resistant powder-coat paint and vandal-resistant features, including locked storage area



Description: The Speed Monitor Full Matrix Message Trailer is a complete full-graphics messaging trailer with an integrated radar system. The combination of the two devices allows the trailer to function as a traditional message trailer, as a speed display trailer, or as a message trailer which changes its message based on the speed of oncoming vehicles, allowing special advisory messages. The trailer is powered by an internal battery bank, which is recharged via solar and/or the 110 VAC battery charger. The trailer is available in a two-line or three-line version.

Trailer:

- Dual 4'x6' frame constructed with 11 gauge 2" square tubing. All wiring concealed in frame.
- Steel utility box (36"x43"x12") provides a weatherproof enclosure for batteries, charger, sign storage, etc. Will accept optional traffic computer.
- Display folds and raises easily, assisted by a balanced counter-weight. Display can be seen above traffic, yet the trailer is easily towed between sites.
- Durable graffiti-resistant white paint.
- Two inch ball hitch continuously welded onto 2"x2"11 gauge square tube tongue. Other hitches available.
- Four adjustable jacks for best leveling and stability.
- 14" 185R14 automotive radial tires mounted with locking lug nuts.
- Leafspring suspension for superior cushioning.

Display:

- One-line, two-line, and three-line messages.
- Constructed with super-bright amber light emitting diodes (LEDs).
- Viewing distance of over 1,250 feet.
- Durable, vandal-resistant Lexan[®] display window, textured to minimize glare.
- Display size: 75"x41"
- 92 preprogrammed messages plus arrows and symbols. 40 additional custom messages can be programmed and saved using the supplied handheld terminal.

Radar:

- K-band radar system with patented Automatic Same Direction (ASD) technology, rejects speeds of all opposing lane traffic.
- Overspeed setting allows sign to switch to a second message and/or display a vehicle speed when the vehicle exceeds a programmable speed limit.
- 1000 ft. range (typical vehicle).
- 25 mW transmitter power.
- 12 degree antenna beam width.
- Type accepted under FCC Part 90.
- Operating temperature range of -22°F to 160°F.

Power:

- 100 Watt solar panel.
- Two internal batteries with 110 VAC charger standard.
- Additional batteries available.

Options:

- Traffic statistics computer with radar data interface.
- Axle bar lock.
- Spare tire, wheel, and mount.



Handheld programming terminal included



The MPH Speed Monitor Full Matrix trailer is manufactured in our Owensboro, KY facility and is in compliance with the BUY AMERICA ACT. For more information or official documentation, contact us at www.mphindustries.com

