



TC-1000 Radar Speed Sign

Reliable. Effective. Affordable

Display and Radar Specifications

YOUR SPEED Faceplate

- . 36"W x 44"H YOUR SPEED faceplate with 6" high lettering
- . MUTCD compliant colors and reflectivity
- . Ideal for roads with traffic speeds of 30-95 mph
- . Available in white, fluorescent yellow/green, or safety orange

Speed Violator Alerts

- . 2 speeds of flashing LEDs to notify drivers that are exceeding the speed limit:
Slow flash of actual speed; Fast flash of actual speed
- . SLOW DOWN alert message
- . Display on-off feature allows traffic data collection continue even when the display is off (stealth mode)

Radar

- . Type: K Band, single direction Doppler radar, FCC part 15 compliant; no license required
- . Sensor Range: Detects vehicles up to 1200 feet
- . Beam Width: 12 degrees, +/- 2 degrees
- . Operating Frequency: 24.125 GHz, +/- 50 MHz
- . Accuracy: +/- 1.0 mph
- . Speed Detection Range: 5 - 127 mph



TC-1000 with 17" LED display

Power Options / Battery Specifications

TC-1000S (Solar Powered)

- . Solar Panel Output: 65 watt
- . Power Supply: Two 12-volt, 18 amp/hour AGM batteries (UL recognized); provides up to 14 days of backup operation
- . Solar Charge Controller: Manages the flow of solar energy input (up to 85w) from solar panel to battery
- . Pole Mount Solar Bracket: Side of pole mount with adjustable angle bracket
- . Low battery cut-off feature provides intelligent battery management
- . Battery Status: Via Wi-Fi can check battery charge levels and solar amperage
- . Power Consumption: < 2.5 amps (24w) in active mode; Idle mode < 1/2 watt
- . Circuit Breaker: Multi-circuit, 5 amp fuses



Heavy duty aluminum housing

TC-1000A (AC Powered)

- . Power Supply: Hard wire to 100V-240V power supply
- . Power Consumption: < 2.5 amps (24w) in active mode; Idle mode < 1/2 watt
- . Circuit Breaker: Multi-circuit, 5 amp fuses



3/8" Bashplate protects LEDs

Weight

- . TC-1000S (Solar Powered): 72 lbs. (98 lbs. with batteries)
- . TC-1000A (AC Powered): 72 lbs.



Individual cones for each LED

Operating Temperature

- . Operating Temperature: -40°F to +160°F



Certified Quality System
ISO 9001:2015



100% MUTCD Compliant
Radar Speed Signs



Proudly Engineered &
Manufactured in the USA

Housing Specifications

Radar Speed Sign Housing

- . Dimensions: 22.2"H x 32.5"W x 5.25"D
- . Thickness: .1875" to .25" thick, heavy-duty aluminum with white powder coat finish
- . NEMA 4 level compliant
- . Humidity Maximum: 100%
- . Non-sealed and ventilated
- . Provides maximum protection from the elements and vandalism

Bashplate with LED Cones

- . Internal .375" aluminum shield over LED display to protect components from abuse or vandalism
- . Individual holes for each LED focus and reflect light toward the road, providing the highest quality viewable display with minimum energy usage

LEDs

- . 2 digits, 17" high super bright amber full matrix LEDs (life up to 100,000 hours)
- . Easily readable up to 1000 feet
- . Automatic intensity adjustment to ambient light conditions for maximum visibility
- . Provides directed viewing or display to oncoming traffic

Polycarbonate Display Cover

- . .25" thick protective sheet covers entire display area
- . Abrasion, graffiti and shatter resistant
- . UV protection

Standard Features

Standard Programming

- . "Possum Switch" activation feature allows the sign to "play dead" for 30 minutes if attacked with force
- . On/Off Timer Options: 4 timers per day, and by day of week. Settings allow lower speed limits for school zone times and for late night display shutoff.
- . Display On/Off: Allows traffic data collection to continue even when display is off
- . Display Brightness Control: Auto adjusts to light conditions
- . Setup Functions: Easy to follow menu, no mechanical switches to operate
- . Maximum Speed Cutoff: Prevents unwanted high speed displays; up to 99 mph; discourages "racing" of sign. Choice of flashing matrix, or LED display cutoff.

Wi-Fi Enabled

- . Allows access to program signs from most web enabled devices (Apple, Android, Windows, etc.)
- . WPA2 encrypted security
- . Password protection
- . Connection range up to 300 feet from sign

OTA Updates (over-the-air)

- . Allows the wireless delivery of software updates and upgrades directly to the radar speed sign.

Traffic Data Reporting

StreetSmart (optional)

- . Traffic data reporting software to report, organize and analyze speed and traffic data. The information collected by the radar speed sign is loaded into Excel™ ready .csv files, and can generate 35 charts and graphs.

Radar Speed Sign Data Storage:

- . System Storage Capacity: stores data on up to 5 million vehicles. Retains data for retrieval for 12 months

Warranty

- . 2 year warranty on parts and labor, including batteries. Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification. Optional third year warranty extension available.

