

TC-1000 Radar Speed Sign *Built for Safety, Built to Last*

Durable Design: Radarsign's built for purpose design is the most vandal resistant radar speed sign on the market today.

- Heavy-duty aircraft aluminum housing with an armored 3/8" thick Bashplate™ and 1/4" Lexan cover provide superior protection to the internal components of the radar speed sign from external force and weather
- Beveled design of the 3/8" Bashplate protects LEDs and internal components from damage by dissipating force inflicted on the sign

Exceptional visibility: Directional beam technology delivers a superior quality display for drivers, even in bright sunlight. Radarsign's proprietary design serves as a cone, magnifying the intensity of the light, and pinpoints it directly to the view of approaching drivers.

Speed Alert: The driver speed will flash within the programmed speed range.

- A SLOW DOWN alert message is a feature on all TC-1000 models and can also be displayed as well.
- Display on-off feature allows traffic data collection to continue even when the display is off (stealth mode).
- Delay option to alert speeders above posted speed limit.

Faceplate: 17" LED display with 36"w x 44"h YOUR SPEED faceplate with 6" lettering; Available in white, fluorescent yellow, or safety orange.

Design Standards: NEMA 4R level compliant; MUTCD compliant colors and reflectivity; Abrasion resistant, shatter resistant, UV resistant, and graffiti resistant

Batteries: Batteries are designed to slide into housing slots without any danger of movement; Maintenance is limited to battery changes every three to six years.

Radar: Detects vehicles up to 1200 feet away

Bluetooth® Communication: Allows secure wireless operation of radar speed sign and data collection directly to laptop from the comfort of a nearby vehicle

Power Options: Available in AC powered and solar powered models

Warranty: Two year warranty on parts and labor, including batteries; Does not cover malicious abuse, theft, or damage due to unauthorized modification.

Ideal for: 45-70 MPH speed limit roads

Optional Features:

Traffic Data Option: Records traffic data that can be used to confirm date, time, and severity of speeding problem. Requires optional *Streetsmart* software to generate charts and graphs.

External Device Trigger: Activates external devices from the radar speed sign based on time and/or speed, or temperature

Netbook: Dedicated to the operation of the radar speed sign and data collection (Windows 7, Bluetooth® enabled and includes a trial copy of Excel)

Poles: Aluminum or black decorative poles with FHWA safety compliant breakaway bases



TC-1000 SLOW DOWN message



Heavy duty aircraft aluminum housing



3/8" Bashplate protects LEDs



1/4" Lexan cover



Directional Beam Technology



Proudly Engineered and
Manufactured in the USA

TC-1000 Radar Speed Sign Specifications

Power Options

TC-1000S (Solar Powered)

- Solar Panel Output: 65 watt
- Power Supply: Two 12-volt, 18 amp/hour AGM batteries (UL recognized).
- Battery Controller: Manages the flow of solar energy input (up to 85w) from solar panel to battery
- Pole Mount: Side pole mount with 45° angle bracket for effective solar charging
- Software Control: SmartCharge® software prevents overcharging and intelligent shutdown when battery falls below acceptable voltage; auto restart when sufficiently recharged.
- Battery Status: Via Bluetooth®, can check battery charge levels and solar amperage
- Power Consumption: < 2.5 amps (24w) in active mode; Idle mode < 1 watt; Circuit Breaker: Multi-circuit, 5 amp fuses

TC1000-A (AC Powered)

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

YOUR SPEED Faceplate

- 36"W x 44"H YOUR SPEED faceplate with 6" lettering
- MUTCD compliant colors and reflectivity
- Sized for 45 MPH speed limit roads and higher
- Available in white, fluorescent yellow or safety orange

Standard Programming

- On/Off Timer Options: 4 timers per day, also by day of week; Settings allow lower speed limits for school zones and 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, up to 100 levels
- Setup Functions: Easy to follow menu - software managed, 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.
- Date/Time Control: Battery backed real-time clock / calendar

Bluetooth® Communication

- Allows secure wireless operation of radar sign and data collection directly to laptop from the comfort of a nearby vehicle

Mini-SD Memory Card

- System Storage Capacity: stores data on up to 5 million vehicles

Weight

- TC-1000S (Solar): 2 digits: 96 lbs.; Includes 2 batteries; 3 digits: 108 lbs.; Includes 2 batteries
- TC-1000A (AC): 2 digits: 68 lbs.; 3 digits: 82 lbs

Housing

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

Bashplate™ with LED Cones

- Internal .375" aluminum shield to protect components from abuse or vandalism
- Beveled design protects LEDs and internal components by dissipating any force inflicted on the sign
- Conical 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 LEDs (life up to 100,000 hours) with directional beam technology
- Automatic intensity adjustment to ambient light conditions for maximum visibility
- Provides directed viewing of display to oncoming traffic

Speed Alerts

- 2 speeds of flashing LEDs to notify drivers that are exceeding the speed limit
- A SLOW DOWN alert message is a feature on all TC-1000 models and can also be displayed as well
- Delay option to alert speeders above posted speed limit

GE Lexan™ Display Cover

- .25" thick protective cover
- Abrasion resistant
- Graffiti resistant
- UV resistant
- Shatter resistant

Radar

- Type: K Band, single direction Doppler radar
- FCC part 15 compliant
- Sensor Range: Sensor range up to 1000'
- Beam Width: 12 degrees, +/- 2 degrees
- Operating Frequency: 24.125 GHz, +/- 50 MHz
- Accuracy: +/- 1.5 mph
- Speed Detection Range: 5 - 127 mph

Operating Temperatures

- -40° F to +138° F

Warranty

- Two 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