



## TC-1000 Radar Speed Sign

Reliable. Effective. Affordable

### 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 operation.
- Solar Charge 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 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

#### 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

### 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
- 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

#### Makrolon® Polycarbonate Display Cover

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

### Weight

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



TC-1000 with 17" LED display



Heavy duty aluminum housing



3/8" Bashplate protects LEDs



Individual cones for each LED



Certified Quality System  
ISO 9001:2015



100% MUTCD Compliant  
Radar Speed Signs



Proudly Engineered &  
Manufactured in the USA

## 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 40-75 mph speed limit roads
- . 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

### Standard Programming

- . 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, up to 100 levels
- . 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.
- . Date/Time Control: Battery backed real-time clock auto-adjusts for daylight savings time.

### Wi-Fi Enabled

- . Allows access to program signs from most web enabled devices (Apple, Android, Windows, etc.)
- . WPA2 encrypted security
- . Password protection
- . Range of 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.

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## Operating Temperature

Operating Temperature: -40°F to +138° F

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## Traffic 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

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## 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.