

TC-500 REFURBISHED Solar Radar Speed Sign Specification Sheet

TC-500 Solar Power

- Operates 24/7 with solar power supply
- Power Supply: Two 12-volt, 18 amp/hour AGM batteries (UL recognized) | Provides up to 14 days of back-up operation on fully charged batteries
- Power consumption: < 2.0 amps (24w) at maximum display intensity
- Idle mode: < 1/2 watt
- Circuit breaker: Multi-circuit | 3 x 10 amp fuses
- Battery status: Check battery charge levels and solar amperage via Wi-Fi
- Low battery cut-off feature provides intelligent battery management
- Solar panel output: 50 watt standard
- Solar charger: Fully integrated charge controller with continuous monitoring and data logging of solar output/battery charge status
- Charger and battery characteristics matched to operate within the sign's operating temperature range

LED Display

- 12" tall speed display numbers | 2 digit capable
- Speed digits easily readable up to 500 feet
- Ideal for roads with traffic speeds of 5 mph - 40 mph
- Super bright amber LEDs in full matrix design | Life up to 100,000 hours
- Laser cut flat black mask enhances visibility of LED display when illuminated | Ensures completely dark display when LEDs are off
- Display brightness fully automatic or user adjustable

Speed Violator Alerts

- Standard alerts: SPEED (3 flash rate options)
- Speed display flash rates: MUTCD flash (approx. 55-60 fpm) | slow flash (approx. 90 fpm) | fast flash (approx. 140 fpm)

YOUR SPEED Faceplate

- 24"W x 26"H YOUR SPEED faceplate with 4" high lettering
- Manufactured with highest grade reflectivity backing
- Available in white

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 | 8-198 kph



Certified Quality System
ISO 9001:2015



MUTCD Compliant
Radar Speed Signs



Proudly Engineered &
Manufactured in the USA

Radar Speed Sign Housing

- Dimensions: 15.8"H x 22.2"W x 5.25"D
- Thickness: .1875" to .25" thick aluminum with white powder coat finish
- IP65 compliant | NEMA 4 level compliant
- Humidity Maximum: 100% | Non-sealed and ventilated
- Provides maximum protection from the elements and vandalism
- Single-piece cast aluminum housing design | Seamless construction with no welding
- Stainless steel mounting hardware included for poles up to 4.5" OD

Electronics

- All power inputs are fused and reverse polarity protected
- All circuit boards are conformally coated for extra protection
- Sign has automatic reset and watch-dog circuitry to return to normal operation without user intervention

Weights & Operating Temperature

- TC-500 solar power radar speed sign: 59 lbs
- Operating temperature: -40°F to +160°F

Standard Features on All Radarsign Brand Models

Bashplate™ with Integrated LED Reflector Cones

- Heavy duty aluminum shield over LED display to protect components from abuse or vandalism
- Directional beam technology, Radarsign's proprietary design, includes beveled cones around each LED, magnifying the intensity of the light and providing the highest quality viewable display with minimum energy usage

Polycarbonate Display Cover

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

Wi-Fi Enabled

- Radar speed sign emits it's own Wi-Fi signal | No internet required | Manage sign with smart phone, tablet, or laptop
- Connection range up to 300 feet from sign
- Allows for quick and easy sign operation and data download from most web enabled devices
- Speed is 10x faster and has 10x the range of Bluetooth
- WPA2 encrypted security | Password protected
- OTA software updates (over-the-air) allow the wireless delivery of software updates and upgrades directly to the radar sign

Standard Programming

- Setup functions: Easy to follow digital menu | No mechanical switches to operate
- Daily timers: Allow 5 on/off timer settings per day (4 timers plus the standard setting), also by day of week | Settings allow for lower speed limits for school zone times
- Stealth mode: Display on/off feature allows traffic data collection to continue even when the display is off
- Possum Switch™: Feature allows the sign to "play dead" for 30 minutes if attacked with force
- Maximum speed cutoff: Feature prevents "racing" of sign at high speeds | Choice of flashing dashes or LED display cutoff

Warranty

- 1 year warranty on parts and labor, including batteries | *Exceptions:* Does not cover damage from accidents, malicious abuse, theft, vandalism, impact with a foreign object, acts of God, or unauthorized modification of the product

Optional Scheduling and Data Reporting Features

Streetsmart Traffic Data Collection & Reporting Software

Lifetime license - One time charge - No recurring fees | *Licensed per sign* - Download, report, organize, and analyze speed and traffic data that is recorded by the radar speed sign | Generate 35 charts and graphs with Excel™ macro | Traffic Data Storage Capacity: Stores data on 5 million vehicles | Retains data for 12 months in sign before writing over oldest data first