

TC-400 Radar Speed Sign

Portable...Lightweight...Affordable

The TC-400 is a battery powered radar speed sign offering the ultimate in portable traffic calming. Using a modular design and built with the legendary quality standards that Radarsign is known for, the TC-400 is lightweight, easy to install, extremely durable and affordably priced.



TC-400 with 11" LED display

Modular Design: The modular design of the TC-400 and the mounting technology of Radarsign's universal GoBracket make mounting and un-mounting the sign a quick, easy process. One person can easily install or relocate the TC-400 in about a minute.

Durable: Thick aluminum shield over LED display to protect sign components from abuse or vandalism.

Lightweight: Radar speed sign weighs only 20 lbs.

Exceptional visibility: 11" LED display with directional beam technology focus light toward the road; automatically adjusts to ambient light conditions, providing the highest quality viewable display with minimum energy usage. Easily readable up to 400 feet.

Flashing Speed Alert: 2 speeds of flashing LEDs to notify drivers that are exceeding the speed limit.

Faceplate: 24"W x 21"H YOUR SPEED faceplate with 3" high lettering; Available in white, fluorescent yellow/green, or safety orange.

Design Standards: Meets MUTCD design guidelines. 1/4" Makrolon® polycarbonate cover provides maximum UV protection and is abrasion, shatter, and graffiti resistant.

Field exchangeable battery packs: Runs for +/- 2 weeks on two fully charged battery packs. The modular design allows the battery packs to be easily swapped in the field for the extended use of the sign in a location.

Radar: Detects vehicles up to 1200 feet away.

Value: The TC-400 is a portable system that allows a single radar speed sign to be used in multiple locations making it a valuable investment for any community, police department, school, or business. At half the price of a speed trailer, you can get two TC-400 radar speed signs resulting in twice the coverage.

Flexibility: A TC-400 radar speed sign can be used in many places a speed trailer simply will not fit or would be unsafe, and can be securely mounted to any existing pole. Use temporarily for back to school, seasonal tourist activity, special events, holiday shopping - anywhere a short term use is desired.

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

Ideal for: 5-35 mph speed limit roads

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

Optional Features:

Streetsmart Traffic Data Reporting: Records traffic data that can be used to confirm date, time, and severity of speeding problem.

Android App: Allows you to set up your radar speed sign using an Android smartphone or tablet.



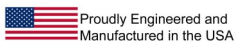
Quick Mount GoBracket



Easy Carry Handle
for Ultimate Portability



Install in Minutes



TC-400 Radar Speed Sign Specifications

Power Options/Battery Specifications

- TC-400 (Battery Powered): Dual 12-volt, 18 A/H Ni-MH battery packs; includes battery charger
- Power Consumption: < 2.5 amps (24w) at maximum intensity; Idle mode < 1/2 watt; Circuit Breaker: Multi-circuit, 5 amp fuses
- Field exchangeable battery packs
- Runs for +/- 2 weeks on two fully charged battery packs.
- Modular design allows the battery packs to be easily swapped in the field for the extended use of the sign in a location.

Housing Specifications

Radar Speed Sign Housing

- Dimensions: 16.25"H x 22.75"W x 2.375"D
- Thick aluminum with silver powder coat finish
- NEMA 3R level compliant
- Humidity Maximum: 100%
- Provides maximum protection from the elements and vandalism

Bashplate™ with LED Cones

- Internal thick aluminum shield over LED display to protect sign 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, 11" high super bright amber LEDs (life up to 100,000 hours) with directional beam technology
- Easily readable up to 400 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 cover
- Abrasion, graffiti and shatter resistant
- UV protection

Battery Housing

- 12.5"H x 17"W x 2.75"D
- .1875" thick powder-coated aluminum
- Holds up to two 12 volt, Ni-MH battery packs (field exchangeable)

Stainless Steel Universal GoBracket

- 12.75"H x 4.5"W x 2.9"D
- Universal design allows strapping, banding, pipe clamps, or bolting to almost any size/style of pole.
- GoBracket allows for easy mounting of battery housing and radar speed sign in about a minute.

Weight and Operating Temperatures

Weight

- Radar speed sign: 20 lbs.

Operating Temperatures

- -40°F to +138° F

Warranty

- 2 year warranty on parts and labor; 1 year on battery packs.
- Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification.

Display and Radar Specifications

YOUR SPEED Faceplate

- 24"W x 21"H YOUR SPEED faceplate with 3" high lettering
- Manufactured with highest grade reflectivity backing
- Ideal for 5-35 mph speed limit roads or lower
- Available in white, fluorescent yellow/green, or safety orange

Flashing Speed Alert

- 2 speeds of flashing LEDs to notify drivers that are exceeding the speed limit.

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 / Bluetooth® / Android App

- On/Off Timer Options: 4 timers per day, also 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 – 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 auto-adjusts for daylight savings time.

Bluetooth® Wireless

- Allows secure wireless operation of radar speed sign and data collection directly to a Windows laptop from the comfort of a nearby vehicle.
- Computer Requirements: Windows 7 or 8 with USB slot or built-in Bluetooth. (Emulation/virtual Windows mode not supported)
- Windows based Radarsign Software included with speed sig purchase
- Optional Android app for use with many Android tablets and smartphones

Radarsign Android App (optional)

- Allows you set up your radar speed signs using an Android smartphone or tablet.

Traffic Reporting

StreetSmart (optional)

- StreetSmart traffic data reporting software to report, organize, and analyze speed and traffic data.
- The information collected by the radar sign is loaded into Excel™ ready .csv files, and can generate 30 charts and graphs.

Mini SD Memory Card

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