



# TC-400 Portable Radar Speed Sign

Reliable. Effective. Affordable

## 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 roads with traffic speeds of 5-55 mph
- Available in white, fluorescent yellow/green, safety orange, and yellow



TC-400 with 11" LED display

### Speed Violator Alert

- 2 speeds of flashing LEDs to notify drivers that are exceeding the speed limit:  
Slow flash or fast flash of actual speed

### 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



Quick Mount Go Bracket

## 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; weight 6 lbs. per pack
- Runs for +/- 2 weeks on two fully charged battery packs; 24 hour recharge period
- Modular design allows the battery packs to be easily swapped in the field for the extended use of the sign in a location
- Battery Status: Check battery charge levels and solar amperage via Wi-Fi



Easy Carry Handle for Ultimate Portability

## Weight and Operating Temperature

- Weight: Radar speed sign: 26 lbs. without batteries
- Operating Temperature: -40°F to +160°F

## Housing Specifications

### Radar Speed Sign Housing

- Dimensions: 16.25"H x 22.75"W x 2.375"D
- Thickness: .185" 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

- Thick aluminum Bashplate© shields the LED display and protects electronic components from abuse and vandalism
- Directional beam technology: Individual holes for each LED focus and reflect light toward the road, providing the highest quality viewable display with minimum energy usage



Install in Minutes



Certified Quality System  
ISO 9001:2015



100% MUTCD Compliant  
Radar Speed Signs



Proudly Engineered &  
Manufactured in the USA

## Housing Specifications (continued)

### LEDs

- 2 digits, 11" high super bright amber LEDs (life up to 100,000 hours)
- Easily readable up to 450 feet
- Display brightness control: Automatic intensity adjustment to ambient light conditions for maximum visibility

### Polycarbonate Display Cover

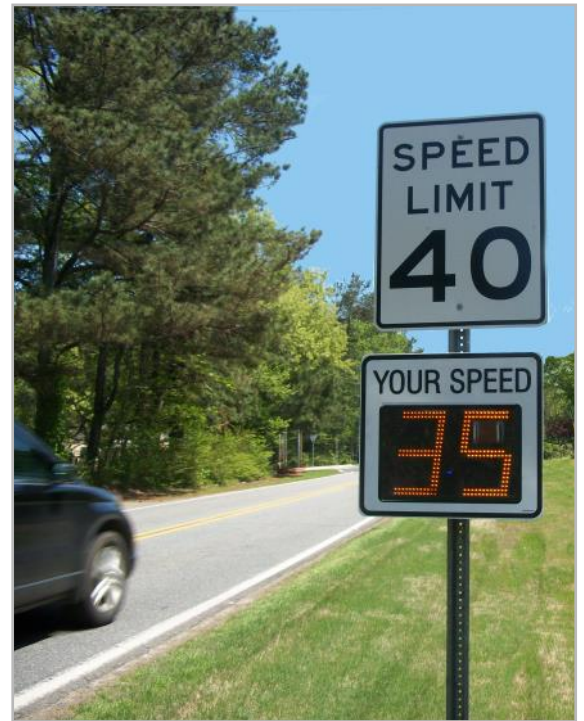
- .25" thick protective sheet covers entire display area
- Abrasion, graffiti and shatter resistant; UV protection

### 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 Mounting Bracket

- 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
- Allows for easy mounting of battery housing and radar speed sign in about a minute



## Standard Features

### Standard Programming

- Setup functions: Easy to follow menu, no mechanical switches to operate
- Daily timers: Allow 4 on/off timer settings per day, also by day of week. Settings allow lower speed limits for school zone times and for late night display shutoff. (Optional Advanced Scheduler available with all models)
- Stealth mode: Display on-off feature allows traffic data collection continue even when the display is off
- "Possum Switch" activation feature allows the sign to "play dead" for 30 minutes if attacked with force
- 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 for quick and easy sign operation/data download from most web enabled devices
- WPA2 encrypted security; Password protection
- Connection range up to 300 feet from sign

### OTA Software 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, 1 year on battery packs. Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification. Optional third year warranty extension available.