



## 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, or safety orange



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 and 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
- 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
- Battery Status: Via Wi-Fi can check battery charge levels and solar amperage



Easy Carry Handle for Ultimate Portability

### Weight and Operating Temperature

- Weight: Radar speed sign: 27 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 4R level compliant
- Humidity Maximum: 100%
- Provides maximum protection from the elements and vandalism



Install in Minutes

#### Bashplate with LED Cones

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



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) with directional beam technology
- . Easily readable up to 450 feet
- . Automatic intensity adjustment to ambient light conditions for maximum visibility
- . Provides directed viewing or display to oncoming traffic

### 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 Go 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
- . Go Bracket allows for easy mounting of battery housing and radar speed sign in about a minute



## Standard Features

### Standard Programming

- . "Possum Switch" activation feature allows the sign to "play dead" for 30 minutes if attacked with force
- . 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
- . Setup Functions: Easy to follow webpage, 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

### Wi-Fi Enabled

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

## 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.