

## Display and Radar Specifications

### LED Display

- 2 digits | 11" tall numbers for speed display, super bright amber LEDs
- Speed digits easily readable speed digits up to 400 feet
- Ideal for roads with traffic speeds of 5-55 mph
- 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
- Automatic brightness adjustment to ambient light conditions

### YOUR SPEED Faceplate

- 24"W x 21"H YOUR SPEED faceplate with 3" high lettering
- Manufactured with highest grade reflectivity backing
- Available in white | yellow | fluorescent yellow/green | safety orange

### Speed Violator Alerts

- Standard alert: SPEED (3 flash rate options)
- Optional Strobe alerts: red alert | blue alert | white alert (can simulate a camera flash) | alternating red/blue alert
- Speed display flash rates: MUTCD flash (approx. 55-60 fpm) | slow flash (approx. 90 fpm) | fast flash (approx. 140 fpm)

### 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

## Power Options / Battery Specifications

### TC-400 | Battery Power

- Runs for +/- 2 weeks on two fully charged batteries | 10 hour recharge period
- Field exchangeable batteries | weight 6 lbs. per battery
- Batteries can be easily swapped in the field for the extended use of the sign in a location
- Batteries have internal short circuit, over current, under and over voltage protection
- Battery Status: Check battery charge levels via Wi-Fi
- Power Supply: Dual 12-volt, 20 amp/hour, Lithium Iron Phosphate (LiFePO4) batteries with 3A charger
- Power Consumption: < 2.0 amps (20w) at maximum intensity | Idle mode < 1/2 watt

### TC-400A | AC Power

- Operates 24/7 with AC power supply
- Power Supply: Hard wire to 100V-240V power supply
- Power Consumption: < 2.0 amps (20w) at maximum display intensity | Idle mode < 1/2 watt
- Circuit Breaker: Multi-circuit, 10 amp fuse
- For parking decks and indoor warehouse use

## 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

TC-400 with speed alert



TC-400 with speed alert and strobes



TC-400 | Battery Power



TC-400A | AC Power



Certified Quality System  
ISO 9001:2015



MUTCD Compliant  
Radar Speed Signs



Proudly Engineered &  
Manufactured in the USA

## Housing Specifications

### TC-400 | TC-400A Radar Speed Sign Housing

- Dimensions: 16.25"H x 22.75"W x 2.375"D
- Thickness: .185" thick aluminum, silver powder coat finish
- NEMA 3R level compliant | Humidity Maximum: 100%

### TC-400 Battery Housing | Attaches to radar speed sign housing

- Dimensions: 12.5"H x 17"W x 3.625"D
- Thickness: .185" thick aluminum, silver powder coat finish
- Holds up to two 12 volt batteries | field exchangeable
- Detachable front and rear cabinet for maximum ease of use/portability | Allows sign to be locked to pole from inside the sign, providing maximum protection from the elements and vandalism

### Mounting Brackets

#### Stainless Steel Universal Mounting Bracket | For use with TC-400 battery power model

- 12.75"H x 4.5"W x 2.9"D
- Universal design allows strapping, banding, pipe clamps, or bolting to almost any size or style of pole
- NO TOOLS are required | Installation takes less than one minute with pre-installed brackets

#### Stainless Steel Universal Pivot Mounting Bracket | For use with TC-400A / AC power model

- For use in mounting radar speed signs on any pole using bolts or banding | Allows 8 degree forward and back tilt

### Bashplate™ with Integrated LED Reflectors

- Heavy duty aluminum shield over LED display to protect components from abuse or 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

### Polycarbonate Display Cover

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

## Weight | Operating Temperature

- TC-400 / Radar speed sign and battery housing: 24 lbs. | 36 lbs. with batteries
- TC-400A / AC Power Radar speed sign | 15 lbs.
- Operating Temperature | -40°F to +160°F

## Standard Features

### Wi-Fi Enabled

- No internet required | Manage your radar speed sign with smart phone, tablet, or laptop
- 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 protection | Connection range up to 300 feet from sign
- OTA software updates (over-the-air) allow the wireless delivery of software updates and upgrades directly to the radar speed sign

### Standard Programming

- Setup functions: Easy to follow menu | No mechanical switches to operate
- Daily timers: Allow 5 on/off timer settings per day, also by day of week | Settings allow for lower speed limits for school zone times | Optional Advanced Scheduler for year long calendar scheduling by date available with all models
- Stealth mode: Display on-off feature allows traffic data collection to 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 "racing" of sign high speeds | Choice of flashing dashes, or LED display cutoff

## Warranty

**2 Year Warranty** on parts and labor, 1 year on batteries | Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification | Optional third year warranty extension available

## Available Options

**StreetSmart Traffic Data Reporting Software:** Report, organize, and analyze speed and traffic data | 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

### TC-400 | Battery power model



### TC-400A | AC power model

