



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
- Ideal for roads with traffic speeds of 5-55 mph
- Manufactured with highest grade reflectivity backing
- Available in white, fluorescent yellow/green, safety orange, and yellow

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
- Optional strobe alert choices include alternating red/blue alert, all red alert, all blue alert, or white alert (can flash as a strobe, or simulate a camera flash)

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

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 Specifications

- Battery Powered: Dual 12-volt, 20 amp/hour, lithium iron battery packs with 3A charger
- Power Consumption: < 2.5 amps (24w) at maximum intensity; Idle mode < 1/2 watt
- Batteries have internal short circuit, over current, under and over voltage protection
- Field exchangeable battery packs; weight 7 lbs. per pack
- Runs for +/- 2 weeks on two fully charged battery packs; 10 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 via Wi-Fi

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%
- Detachable front and rear cabinet for maximum ease of use/portability; Allows sign to be locked to pole from inside the sign
- Provides maximum protection from the elements and vandalism

Battery Housing

- 12.5"H x 17"W x 3.625"D
- .1875" thick powder-coated aluminum
- Holds up to two 12 volt battery packs (field exchangeable)



TC-400 with speed alert



TC-400 with speed alert and strobes



Hinged Modular Housing



Easy Carry Handle for Ultimate Portability



Housing Specifications (continued)

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
- When moving the TC-400 from one location to the next, with pre-installed brackets, NO TOOLS are required, and installation takes less than one minute.

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

Polycarbonate Display Cover

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

Weight and Operating Temperature

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

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

- No internet required. Manage your radar speed sign with smart phone, tablet, or laptop.
- 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

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.

Traffic Data Reporting Option

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.

Traffic Data Storage Capacity:

- Stores data on up to 5 million vehicles; Retains data for retrieval for 12 months.

Install in Minutes on
Universal Mounting Bracket



Certified Quality System
ISO 9001:2015



MUTCD Compliant
Radar Speed Signs



Proudly Engineered &
Manufactured in the USA