TC-600 Full Matrix Radar Speed Sign
Reliable. Effective. Affordable

Display and Radar Specifications

YOUR SPEED Faceplate
- 28"W x 33"H YOUR SPEED faceplate with 4" high lettering
- MUTCD compliant colors and reflectivity
- Ideal for 10-45 mph speed limit roads
- Available in white, fluorescent yellow/green, or safety orange

Speed Violator Alerts
- Standard alerts include: Slow flash of actual speed, fast flash of actual speed, SLOW DOWN message, or TOO FAST message
- Optional alert choices: SHARP CURVE, chevrons (right or left facing), Smiley face, red/blue strobe (alternating), or simulated camera flash and white strobe
- Display speed and word message alerts alternately or individually, based on speed settings
- Display on-off feature allows traffic data collection continue even when the display is off (stealth mode)

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-600S (Solar Powered)
- Solar Panel Output: 40 watt standard, 65 watt optional
- Power Supply: Two 12-volt,18 amp/hour AGM batteries (UL recognized); provides up to 14 days of backup operation
- Solar Charge Controller: Manages the flow of solar energy input (up to 85w) from solar panel to battery
- Pole Mount Solar Bracket: Side of pole mount with adjustable angle bracket
- Low battery cut-off feature provides intelligent battery management
- Battery Status: Via Wi-Fi can check battery charge levels and solar amperage
- Power Consumption: < 2.0 amps in active mode; Idle mode < 1/2 watt
- Circuit Breaker: Multi-circuit, 3x10 amp fuses

TC-600A (AC Powered)
- Power Supply: Hard wire to 100V-240V power supply
- Power Consumption:< 2.0 amps in active mode; Idle mode < 1/2 watt;
- Circuit Breaker: Multi-circuit, 10 amp fuse

Weight
- TC-600S (Solar Powered): 41 lbs., (67 lbs. with batteries)
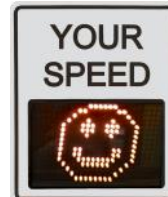- TC-600A (AC Powered): 41 lbs.

Operating Temperature
- Operating Temperature: -40ºF to +160ºF

Standard Alerts

Optional Alerts

White strobe

Alternating red/blue strobe

Housing Specifications

Radar Speed Sign Housing
- Dimensions: 18.5"H x 26.25" W x 5.0"D
- Thickness: .1875" to .25" thick, heavy-duty aluminum
- NEMA 4 level compliant
- Humidity Maximum: 100%
- Non-sealed and ventilated
- Single housing design means no separate battery box to mount
- Provides maximum protection from the elements and vandalism

Bashplate© with LED Cones
- Internal .375" aluminum shield over LED display to protect components from 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, 13" high super bright amber full matrix LEDs (life up to 100,000 hours)
- Easily readable up to 600 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

Standard Programming/ Wi-Fi/ OTA Updates

Standard Programming
- Fully programmable date & time calendar, with D.S.T. support
- Supports 24 separate schedules per year
- With relay switch can also control flashing school zone beacons
- 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 menu, 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, including batteries. Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification. Optional third year warranty extension available.