

Driver Feedback Sign Specifications: Model TC-500A (AC), TC-500B (Battery), TC-500S (Solar)

Operational	<p>On/Off Timer Options: 4 timers per day, also by day of week. Settings allow lower speed limits for school zones.</p> <p>Display On/Off: Allows traffic data collection to continue even when display is off.</p> <p>Display Brightness Control: Manual setting option or auto adjust to light conditions, up to 100 levels.</p> <p>Setup Functions: Easy to follow menu - software managed, no mechanical switches to operate.</p> <p>Maximum Speed Cutoff: Prevents unwanted high speed displays, up to 99 mph; discourages excessive speeds to 'test' sign. Choice of flashing matrix, or LED display cutoff.</p> <p>Date/Time Control: Battery backed real-time clock / calendar</p> <p>Violator Alert: Choice of slow or fast flashing of speeds above set speed limit.</p>
Dimensions	<p>Driver Feed Back Sign Housing: 15.8" h x 22.2"w x 5.25"d</p> <p>Aluminum YOUR SPEED Faceplate : Full size 24"w x 21"h YOUR SPEED faceplate with MUTCD compliant colors & reflectiveness. Oversized 24"w x 26"h faceplate optional.</p> <p>LED Display Characters: 2 digits, 12" high super bright amber LEDs</p>
Weight	<p>TC-500A (AC) 32 lbs.; TC-500B (Battery) & TC-500S (Solar): 56 lbs. (includes 2 batteries)</p>
Components	<p>Circuit Breaker: Multi-circuit, 5 amp fuses</p> <p>Power Supply: TC500A: 100V-240V AC; TC-500B: Dual 12V18 amp AGM batteries; includes AC adapter/charger; TC-500S: Dual 12V 18 amp AGM batteries with solar panel</p> <p>Power Consumption: < 2.5 amps (24w) in active mode; idle mode < 1 watt</p> <p>LEDs: Super bright amber LEDs (life up to 100,000 hours)</p> <p>Bluetooth™ Communication Port: Allows password protected exchange of data between driver feedback sign and Bluetooth enabled laptop.</p> <p>System Storage Capacity: Mini SD memory card stores data on up to 500,000 vehicles.</p>
Radar Unit	<p>Type: K Band, single direction Doppler radar, FCC part 15 compliant</p> <p>Sensor Range: Sensor range up to 1000'</p> <p>Beam Width: 12 degrees, +/- 2 degrees 12 degrees, +/- 2 degrees</p> <p>Operating Frequency: 24.125 GHz, +/- 50 MHz 24.125 GHz, +/- 50 MHz</p> <p>Accuracy: +/- 1.5 mph</p> <p>Speed Detection Range: 7 - 127 mph</p>
Housing	<p>Composition & Finish: Aluminum with white powder coat finish; vandal and fire resistant.</p> <p>Thickness: .1875 to .25. Provides maximum protection from elements & vandalism.</p> <p>Temperature Ranges: AC model: -40* F to +140* F; Solar & Battery models: -4* F to +138* F</p> <p>Humidity Maximum: 100%</p> <p>Weatherproof: Conforms to NEMA 4R level design. Non-sealed & ventilated.</p> <p>GE Lexan™ Display Cover: .25" thick, shatter resistant. Protects LEDs.</p> <p>BASHPLATE™: Internal .375" aluminum shield to protect components from abuse or vandalism. LED holes provide directed viewing of display to oncoming traffic.</p>
Pole Mounting Hardware	<p>Hardware Available For: U or Hat channel poles, 4x4 to 8x8 wooden posts, 2.5" to 4.5" round poles, 2x2 square metal post</p>
Solar Power	<p>Solar Panel Output: 40 watt, Voltage at Pmax = 16.9V, Current at Pmax = 2.34Amps</p> <p>Optional Upgrade Solar Panel: 65 watt, Voltage at Pmax = 17.4V, Current at Pmax = 3.75Amps</p> <p>Batteries: Two 12V 18 amp hour AGM batteries (UL recognized)</p> <p>Energy Density: 1.54 Watt-hours/cubic inch</p> <p>Battery Controller: Manages flow of solar energy input (up to 80w) from solar panel to battery.</p> <p>Pole Mount: Side pole mount with 45° angle bracket for effective solar charging.</p> <p>Software Control: SmartCharge® software prevents overcharging and intelligent shutdown when battery falls below acceptable voltage; auto restart when sufficiently recharged.</p> <p>Battery Status: Via Bluetooth, can check battery charge levels and solar amperage.</p>
Warranty	<p>Basics: Parts and Labor: 1 year</p> <p>Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification.</p> <p>More Coverage: Optional second year warranty extension available.</p>

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	Display On/Off: Allows traffic data collection to continue even when display is off.
	Display Brightness Control: Manual setting option or auto adjust to light conditions, up to 100 levels.
	Setup Functions: Easy to follow menu - software managed, no mechanical switches to operate.
	Maximum Speed Cutoff: Prevents unwanted high speed displays, up to 99 mph; discourages excessive speeds to 'test' sign. Choice of flashing matrix, or LED display cutoff.
	Date/Time Control: Battery backed real-time clock / calendar
	Violator Alert: Choice of slow or fast flashing of speeds above set speed limit.
Dimensions	Driver Feed Back Sign Housing: 22.2" h x 32.5"w x 5.25"d
	Aluminum YOUR SPEED Faceplate : 36"w x 44"h YOUR SPEED faceplate with MUTCD compliant colors & reflectiveness. 6" high YOUR SPEED letters.
	LED Display Characters: 2 digits, 17" high super bright amber LEDs
Weight	TC-1000A (AC): 2 digits: 54 lbs.; 3 digits: 66 lbs.; TC-1000B (Battery) & TC1000S (Solar): 2 digits: 78 lbs.(includes 2 batteries); 3 digits: 88 lbs.(includes 2 batteries)
Components	Circuit Breaker: Multi-circuit, 5 amp fuses
	Power Supply: TC1000A: 100V-240V AC; TC-1000B: Dual 12V18 amp AGM batteries; includes AC adapter/charger; TC-1000S: Dual 12V 18 amp AGM batteries with solar panel
	Power Consumption: < 2.5 amps (24w) in active mode; idle mode < 1 watt
	LEDs: Super bright amber LEDs (life up to 100,000 hours)
	Bluetooth™ Communication Port: Allows password protected exchange of data between driver feedback sign and Bluetooth enabled laptop.
	System Storage Capacity: Mini SD memory card stores data on up to 500,000 vehicles.
Radar Unit	Type: K Band, single direction Doppler radar, FCC part 15 compliant
	Sensor Range: Sensor range up to 1000'
	Beam Width: 12 degrees, +/- 2 degrees 12 degrees, +/- 2 degrees
	Operating Frequency: 24.125 GHz, +/- 50 MHz 24.125 GHz, +/- 50 MHz
	Accuracy: +/- 1.5 mph
	Speed Detection Range: 7 - 127 mph
Housing	Composition & Finish: Aluminum with white powder coat finish; vandal and fire resistant.
	Thickness: .1875 to .25. Provides maximum protection from elements & vandalism.
	Temperature Ranges: AC model: -40* F to +140* F; Solar & Battery models: -4* F to +138* F
	Humidity Maximum: 100%
	Weatherproof: Conforms to NEMA 4R level design. Non-sealed & ventilated.
	GE Lexan™ Display Cover: .25" thick, shatter resistant. Protects LEDs.
	BASHPLATE™: Internal .375" aluminum shield to protect components from abuse or vandalism. LED holes provide directed viewing of display to oncoming traffic.
Pole Mounting Hardware	Hardware Available For: U or Hat channel poles, 4x4 to 8x8 wooden posts, 2.5" to 4.5" round poles, 2x2 square metal post
Solar Power	Solar Panel Output: 65 watt, Voltage at Pmax = 17.4V, Current at Pmax = 3.75 Amps
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	Energy Density: 1.54 Watt-hours/cubic inch
	Battery Controller: Manages flow of solar energy input (up to 80w) from solar panel to battery.
	Pole Mount: Side pole mount with 45° angle bracket for effective solar charging.
	Software Control: SmartCharge® software prevents overcharging and intelligent shutdown when battery falls below acceptable voltage; auto restart when sufficiently recharged.
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Warranty	Basics: Parts and Labor: 1 year
	Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification.
	More Coverage: Optional second year warranty extension available.

Specifications subject to change without notice.