

Driver Feedback Sign Specifications



Model TC-500A, TC-500B, TC-500S

Operational 	On/Off Timer Options: 4 timers per day, also by day of week. Settings allow lower speed limits for school zones.
	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
Dimensions 	Driver Feed Back Sign Housing: 15.8" h x 22.2"w x 5.25"d
	Aluminum "Your Speed" Faceplate : Full size 24"w x 21"h "YOUR SPEED" MUTCD compliant colors & reflectiveness. Oversized 24"w x 26"h faceplate optional.
	LED Display Characters: 2 digits, 12" high Super Bright amber LEDs
Weight	TC-500A 32 lbs.
	TC-500B & TC-500S 56 lbs. (includes 2 batteries)
Components 	Circuit Breaker: Multi-circuit, 5 amp fuses
	Power Supply: TC500A: 100V-240V AC
	TC-500B: Dual 12V18 amp AGM batteries; includes A/C adapter/charger
	TC-500S: 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 over 500,000 vehicles
	Type: K Band, single direction Doppler radar, FCC part 15 compliant
	Sensor Range: Sensor range up to 1000'
Radars Unit 	Beam Width: 12 degrees, +/- 2 degrees
	Operating Frequency: 24.125 GHz, +/- 50 MHz
	Accuracy: +/- 1.5 mph
	Speed Detection Range: 7 - 127 mph
	Composition & Finish: Aluminum with white powder coat finish, vandal and fire resistant
	Thickness: .1875 to .25 - provides maximum protection from elements & vandalism
Housing 	Temperature Ranges: A/C 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.
	Hardware Available For: U or Hat channel poles, 4x4 to 8x8 wooden posts, 2.5" to 4.5" round poles, 2x2 square metal post
Pole Mounting Hardware	Solar Panel Output: 40 watt, Voltage at Pmax = 16.9V, Current at Pmax = 2.34Amps
	Optional Upgrade Solar Panel: 65 watt, Voltage at Pmax = 17.4V, Current at Pmax = 3.75Amps
	Batteries: Two 12V 18 amp hour AGM batteries(UL recognized)
	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
	Battery Status: Via Bluetooth, can check battery charge levels and solar amperage
Solar Power 	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
Warranty 	

Specifications subject to change without notice.

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TC-1000A, TC1000B, TC-1000S



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

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