



Lightcast Public Safety 1-678-339-2326 ext 1400 www.lcps.com

Driver Feedback Sign Specifications: Model TC-1000A (AC), TC-1000B (Battery), TC-1000S (Solar)

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	Violator Alert: Choice of slow or fast flashing of speeds above set speed limit.
	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.
Weight	LED Display Characters: 2 digits, 17" high super bright amber LEDs
	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 degrees12 degrees, +/- 2 degrees
	Operating Frequency: 24.125 GHz, +/- 50 MHz24.125 GHz, +/- 50 MHz
	Accuracy: +/- 1.5 mph
Housing	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.
	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.
Pole Mounting Hardware	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
	Solar Power
Solar Power	Solar Panel Output: 65 watt, Voltage at Pmax = 17.4V, Current at Pmax = 3.75 Amps
	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.
Warranty	Battery Status: Via Bluetooth, can check battery charge levels and solar amperage.
	Basics: Parts and Labor: 2 years
	Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification.
More Coverage: Optional third year warranty extension available.	

Specifications subject to change without notice.