

Driver Feedback Sign Specifications

TC-1000A & TC-1000S



Operational 	On/Off Timer Options:	4 timers per day, also by day of week. Settings allow for lower speed limits during school zone times.
	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:	TC-1000: 36" w x 44" h "YOUR SPEED" MUTCD compliant colors and reflectiveness (6" high YOUR SPEED letters)
	LED Display Characters:	TC-1000: 2 digits, 18" high Super Bright amber LEDs, (3 digit kph available)
Weight	TC-1000A (AC):	54 lbs
	TC-1000S (SOLAR):	78 lbs (includes 2 batteries)
Components 	Circuit Breaker:	Multi-circuit, 5 amp fuses
	Power Supply:	TC-1000A: 100V-240V AC TC-1000S: Dual 12V DC 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 radarsign and Bluetooth enabled laptop
	System Storage Capacity:	Mini SD memory card stores traffic data on over 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
	Operating Frequency:	24.125 GHz, +/- 50 MHz
	Accuracy:	+/- 1 mph
	Speed Display Range:	7 - 99 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:	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.	
Pole Mounting Hardware	Hardware Available For:	U or Hat channel poles, 4x4 to 8x8 wooden posts, 2.5" to 4.5" round poles, square perforated metal posts
Solar Power 	Solar Panel Output:	40 watt, Voltage at Pmax = 16.9V, Current at Pmax = 2.34Amps
	Optional Upgrade Solar Panel:	60 watt, Voltage at Pmax = 17.4V, Current at Pmax = 3.75Amps
	Batteries:	Two 12V 18 amp hour deep cell, spill proof long life 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	
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