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<p>Dimensions</p> 	<p><i>Housing size:</i> 15.8" H x 22.2" W x 5.25" D <i>Aluminum housing:</i> 3/16" Weather resistant, highly vandal-proof, sealed environment <i>Aluminum sign:</i> 21" H x 24" W "YOUR SPEED" MUTCD compliant colors and reflectiveness <i>Display Characters:</i> 2 digits, 12" high x 8.25" wide (amber LEDs) <i>Weight TC-500A:</i> 32 lbs <i>Weight TC-500B & S:</i> 56 lbs (includes 2 batteries)</p>
<p>Components</p> 	<p><i>Circuit breaker:</i> multi-circuit, 5 amp fuses <i>Power Supply:</i> TC500A: 120/240V AC, TC-500B: 12V DC (incl. AC/Adapter/Charger), TC-500S: 12V & 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>IR Communication Port:</i> Allows password protected exchange of data between radarsign and Palm PDA <i>System storage capacity:</i> 512MB mini SD memory card can store over 500,000 vehicle records</p>
<p>Radar Unit</p> 	<p><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> +/- 1.5 mph <i>Speed display range:</i> 7 - 99 mph <i>Speed detection range:</i> 7 - 127 mph</p>
<p>Housing</p> 	<p><i>Composition and Finish:</i> Aluminum with white powder coat finish, vandal and fire resistant <i>Temperature ranges:</i> -20* F to +140* F (AC model) -4* F to +140* F (Solar model) <i>Humidity maximum:</i> 100% <i>Relative humidity range:</i> 20% to 90% <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 Also beveled to provide maximum viewability for oncoming traffic</p>
<p>Pole Mounts</p>	<p><i>Types:</i> 3" to 4.5" O.D. round pole, dual 'U' channel, or single square pole brackets available</p>
<p>Solar Power (optional)</p> 	<p><i>Solar Panel Output:</i> 40 watt, Voltage at Pmax = 16.9V, Current at Pmax = 2.34Amps <i>Optional Upgrade Solar Panel:</i> 54 watt, Voltage at Pmax = 17.4V, Current at Pmax = 3.11Amps <i>Batteries:</i> Two 18amp hour deep cell, non-spillable long life 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 nears 20% of complete discharge, auto restart above 30% charge <i>Battery status:</i> via PALM™ PDA, can check battery charge levels and solar insolation amperage</p>
<p>Warranty</p> 	<p><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</p>
	<p>StreetSmart® Traffic Statistics Software (Optional)</p> <p>Sign stores over 500000 vehicle records to use with software Records valuable traffic data for review of radarsign effectiveness 12 Pre-defined graphs available with no programming Critical data allowing law enforcement to deploy resources at validated times of need</p>