TC-1000 Radar Speed Sign Specifications

**Power Options:**
- **TC-1000S (Solar):** Dual 12V 18 amp AGM batteries with solar panel
- **TC-1000A (AC):** Hard wire to 100V-240V power supply
- **Power Consumption:** < 2.5 amps (24w) in active mode; Idle mode < 1 watt; Circuit Breaker: Multi-circuit, 5 amp fuses

**YOUR SPEED Faceplate**
- 36"W x 44"H YOUR SPEED faceplate with 6 inch lettering
- MUTCD compliant colors and reflectiveness
- Sized for 45 MPH speed limit roads and higher
- Available in white, fluorescent yellow or safety orange

**Standard Programming**
- 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: Auto adjusts 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

**Speeding Alert**
- 2 speeds of flashing LEDS to notify drivers that are exceeding the speed limit

**Operating Temperatures**
- -40°F to +138°F

**Bluetooth® Communication**
- Allows secure wireless operation of radar speed sign and data collection directly to laptop from the comfort of a nearby vehicle.

**Housing**
- Dimensions: 22.2"H x 32.5"W x 5.25"D
- Thickness:.1875" to .25" aircraft aluminum with white powder coat finish
- Provides maximum protection from elements & vandalism
- NEMA 4R level compliant
- Non-sealed & ventilated
- Humidity Maximum: 100%

**BASHPLATE™ with LED Cones**
- Internal .375" aluminum shield to protect components from abuse or vandalism
- Beveled design protects LEDs and internal components by dissipating any force inflicted on the sign.
- Conical holes for each LED focus and reflect light toward the road, providing the highest quality viewable display with minimum energy usage

**LEDs**
- 2 digits, 17" high super bright amber LEDs (life up to 100,000 hours) with directional beam technology
- Automatic intensity adjustment to ambient light conditions for maximum visibility
- Provides directed viewing of display to oncoming traffic

**GE Lexan™ Display Cover**
- .25" thick protective cover
- Abrasion resistant
- Graffiti resistant
- UV protection
- Shatter resistant

**Radar**
- **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:** +/- 1.5 mph
- **Speed Detection Range:** 5 - 127 mph

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Proudly Engineered and Manufactured in the USA
TC-1000 Radar Speed Sign Specifications

**Mini-SD Memory Card**
- System Storage Capacity: stores data on up to 5 million vehicles

**Weight**
- TC-1000S (Solar): 2 digits: 94 lbs. Includes 2 batteries; 3 digits: 108 lbs. Includes 2 batteries
- TC-1000A (AC): 2 digits: 64 lbs.; 3 digits: 82 lbs

**Warranty**
- Two year warranty on parts and labor, including batteries
- Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification.
- Optional third year warranty extension available.

**Solar Power**
- Solar Panel Output: 65 watt
  - Voltage at Pmax = 17.4v
  - Current at Pmax = 3.75 Amps
- Batteries: Two 12-volt, 18 amp/hour AGM batteries (UL recognized). Designed to slide into housing slots without any danger of movement.
- Battery Controller: Manages the flow of solar energy input (up to 85w) 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.

**Optional Features**
- **SLOW DOWN Display**: 5 inch LED display with flashing SLOW DOWN messaging
- **StreetSmart**: Traffic statistics software to report, organize and analyze speed and traffic data. (Available for all models)
- **EZ Comm**: Cellular based remote sign management system with 15 month pre-programmable calendar. (Available for AC and solar models only)
- **External Device Trigger Option**: System that activates external devices from the radar speed sign based on time and/or speed, or temperature. (Available for AC and solar models only)

**AC Power**
- Circuit Breaker: Multi-circuit, 5 amp fuses
- Power Supply: TC-1000A: 100V-240V AC
- Power Consumption: <2.5 amps (24w) in active mode, idle mode < 1 watt