

MODEL LCLT-ER105-P-DC599S SPECIFICATIONS

10.5" Character, Solar Powered, Light Trailer Mounted Radar Speed Monitor

Trailer Dimensions

- Length with tongue: 70¼"
- Length without tongue: 40¼"
- Width with fenders: 54"

Trailer Specifications

- Frame: 2" x 2" x 11 gauge tubular steel
- Paint: Powder paint, white with zinc primer
- Salt spray fog: 1,000 hours
- UV Resistance: 500 hours
- Axle and Springs: Straight tubular steel 1060 pounds
- 12" Wheels and Tires: 5 lug – 4.80/4.00-12
- Fenders: 16 – gauge steel
- Tongue and Safety chains: 2" hitch, 3/16" safety chains with hooks
- Jacks: Adjustable telescoping jacks on each corner of the trailer.
- Tail lights: Dual combination reflective lights with stop, tail and turn signal.
- Wiring: Enclosed in jacketed cable or conduit

Display Frame

- Length: 18¾"
- Height: 13¾"
- Depth: 4¼"
- Open Front skin: constructed of .063 aluminum
- Back skin: constructed of .063 aluminum
- Viewing Window: .125 thick polycarbonate with UV matte finish
- Paint: Powder paint, flat black
- Salt spray fog: 1,000 hours
- UV Resistance: 500 hours

Display Module 16" x 11"

- Optical:
 - Pixels are arranged in a 2 digit, (7) seven segment array.
 - LED pixel spacing is .70 inches x .70 inches
 - 15 degree viewing angle

Photocell Assembly (built-in)

- Monitors ambient light conditions and adjusts brightness accordingly

Standard Violation Alerts

- Characters flash when over preset threshold &/or built-in face white strobe
- Display will go blank when over preset threshold

Solar Panel

- Typical Electrical Characteristics 20 W
- Voltage at Pmax (V mp) 17.3 V
- Current at Pmax (IMP) 1.16 A
- Short-Circuit Current (Isc) 1.29 A
- Open-Circuit Voltage (Voc) 21.6 V

Radar

- Operating Band K-Band
- Frequency 24.125 GHz \pm 5Mhz
- Power Output 5mW
- Beam angle 38° x 45°
- Polarization Linear
- Supply Voltage 5.5V DC to 16V DC (18VDC max)
- Nominal Current Draw 9.5 mA
- Operating Temp. -40°F to +185°F (-40°C to +85°C)
- Accuracy \pm 0.1 mph
- Speed Range 5 mph to 99 (8 kmph to 158.4 kmph)
- Detection Range Typically 300+ feet (90+ meters)

Solid State Regulator**Electrical Specifications:**

- | | |
|---------------------------|--------------|
| • Voltage: | 12V |
| • Rated Solar Input: | 10A |
| • Rated Load Current: | 10A |
| • Equalization Voltage: | 14.8V |
| • Boost Battery: | 14.4V |
| • Float Battery: | 13.6V |
| • Low Voltage Disconnect: | 11.1V |
| • Low Voltage Reconnect: | 13.1V |
| • Self-Consumption: | 6 mA |
| • Operating Temp. | -35 to +55°C |

Included:

- (1) 12VDC 18A battery
- Speed limit sign, Engineering Grade (18" x 24") with interchangeable numbers (1-6)

Manufacturer reserves the right to make changes in its products from time to time without incurring any obligation to incorporate such improvements in any products previously sold or in service.