



Welcome to the Future of Traffic Sensors!

Laser Technology, Inc. has just released their latest traffic sensor designed with traffic engineers and system integrators in mind. Count, detect, profile and classify vehicles using LTI sensors for traffic management applications such as presence detection, classification by profiling, time and distance between vehicles, red light system integration, speed detection and notification. The TruSense Traffic Sensor from LTI has taken traffic management to a whole new level. The future of traffic sensing technology is here!



Measurement Laser

Wavelength: 905 nm (Infrared)
 Eye Safety: Class I, 7 mm (FDA, CFR21)
 Class Im (IEC 60825-1:2001)
 Beam Divergence: 2.5 mrad (= 0.82 ft beam diameter @ 328 ft target distance or 25 cm @ 100 m)

Accuracy

Non cooperative (dull) surface: 5 cm (1.97 in)

Range

Non cooperative (dull) surface: 1000 m (3280 ft)
 Cooperative (reflective) surface: 2000 m (6562 ft)

Communication

RS232: Data I/O, input power
 (6 pin Turck #PSW 6M-*/S90 Picofast cable)
 RS485: Data I/O, input power
 (12 pin Turck #RKC-*12T-*/S618 Eurofast cable)
 Serial Baud Rate: 1200 to 230400 (up to 2000 readings/second)

Power

Absolute min/max: 10 – 30 VDC (12-24 VDC nominal)
 Current: 170 mA

Physical

Dimensions (L x W x H): 17.1 cm x 11.5 cm x 7.4 cm
 (6.73 in x 4.51 in x 2.91 in)
 Enclosure: Glass filled polycarbonate
 Mounting (4 hole pattern): 8.5 cm x 5.8 cm side mount,
 6.8 cm x 5.2 cm front mount
 (3.35 in x 2.28 in side mount,
 2.68 in x 2.05 in front mount)

Environmental

Sealing: IP67, NEMA 6
 Temperature: -20 C to + 60 C (-4 F to +140 F)
 Shock/Vibration: MIL-STD-810E

User Alignment

Bubble level



A single traffic sensor can profile and count vehicles.

(32 kHz sampling rate in single mode)



Two sensors can measure the speed and distance between vehicles in addition to profiling.

(25 kHz sampling rate in dual sync mode)



Laser Technology, Inc. Corporate Headquarters: 7070 S. Tucson Way, Centennial, CO 80112 USA
 Phone: 800.280.6113 or 1.303.649.1000 | Fax: 1.303.649.9710 | E-mail: info@lasertech.com | Web: www.lasertech.com

(All specifications are subject to change. Rev 3/20/09)