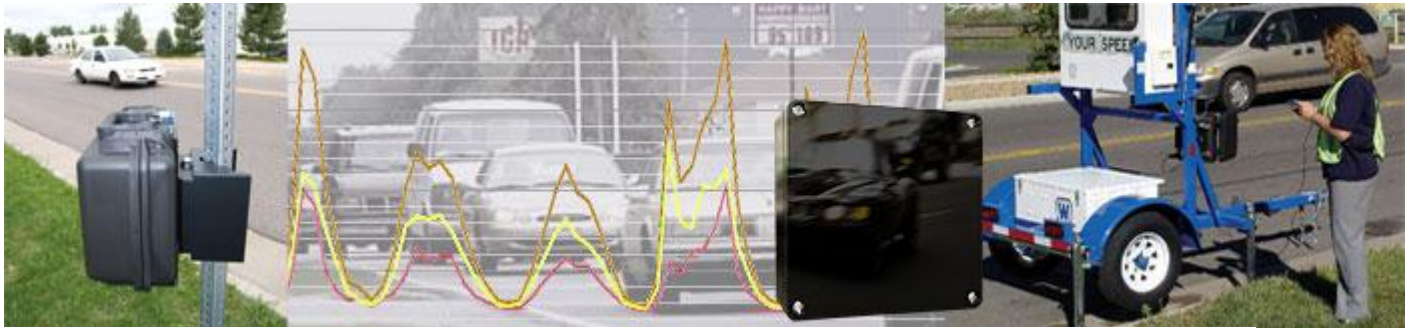




Traffic Data Collector



The Wanco Traffic Data Collector provides a safe, non-intrusive method for monitoring and analyzing traffic patterns. Employing side-fire radar to measure vehicle speed and length, the Wanco Data Collector uses no wires, loops or hoses. An analytic graphing application is included, to make charting traffic data easy.

Specifications

Housing dimensions	14 W x 11.5 L x 6.5 D in. (36 W x 29 L x 15 D cm)
Housing material	PVC
Weight	13.5 to 26 lbs.
Distance range	1000 ft. @ 5 to 85 mph (305 m @ 8 to 135 km)
Speed range	5 to 138 mph (8 to 222 km/h)
Max. traffic lanes	Two
Sensor	Microwave K-band, 24.125 GHz
Power output	27 dBm (EIRP)
Power supply	When integrated, uses message-sign or speed-sign power supply; as a standalone, uses a rechargeable 12-volt battery
Power consumption	150 mA @ 12.6V
Voltage range	6 to 30V
Temperature range	-40 to 185 °F (-40 to 85 °C)
Units	English or metric, factory-configured
Time stamp	Yr,Mo,Dy,Hr,Min,Sec.
Data format	Speed, date, time, direction, length for each vehicle
Baud rate	1200, 8 bits, no parity
Memory	Registers more than 1 million vehicles in 1 MB (1,048,576 KB) internal memory
Accuracy	±1 MPH from 5 to 40 mph, ±2 mph from 40 to 100 mph (±1.6 km/h from 8 to 64 km/h, ±3.2 km/h from 64 to 161 km/h)
Interface	RS232, setup/retrieval via computer with Windows® OS
Calibration	Automatic
Installation angle	Horizontal, 45 degrees
Installation height	Up to 39.3 inches (1m)
Horizontal beam width	12°
Regulatory rating	FCC part 15 class A, Canadian RSS-210

Features

- Tool for traffic engineers to investigate lane flow, speed and density
- Use collected data to make decisions and recommendations for managing traffic
- Investigate and validate complaints from citizens, neighborhoods and contractors
- Planners can back up needs and recommendations with real data
- Decide when to put police on the roads
- Prove the need for traffic controls
- Low-cost solution
- Nonintrusive, no disturbance of traffic flow during installation or use
- Radar-based design is less dangerous to install than loops and hoses
- Most effective for two-lane roads
- Counts both approaching and receding vehicles
- Side-fire radar system captures date and time; traffic volume; and vehicle speed, direction and length
- Registers more than 1 million vehicles in internal memory
- Analytic graphing application charts count vs. speed, volume over time, and means & percentiles
- Durable enclosure is weather-tight, lockable and portable
- No exposed components, installed enclosure is inconspicuous
- Can be added to virtually any Wanco product—speed trailers, message signs, beacon kits and more

†Specifications subject to change without notice.