

# Radar-Speed Trailers

with Large Full-Matrix Display



# Wanco® Radar-Speed Signs slow traffic and save lives

- Bold, highly visible, 26-inch LED numbers
- Selectable speed settings
- Streamlined see-through design
- Regulatory speed limit sign with changeable numbers
- Energy-efficient operation for long run times

Wanco® Radar-Speed Trailers feature the largest portable speed sign available today. The giant LED display shows vehicle speed in bold 26-inch characters that are highly visible, warning motorists to slow down by flashing their excessive speed.

Often deployed in school zones, work zones and high-incident areas, these signs provide a degree of traffic calming unmatched by other roadway signs. Formal studies have shown that speeding drivers respond by slowing down to legal limits when their actual speed is displayed on an electronic sign.

Studies also indicate that some drivers “test” radar-based speed displays by driving very fast. To address this danger, Wanco speed signs do not display excessive speed, but instead employ a full-matrix display to flash a message or symbol at drivers, to indicate they are going much too fast.

The selectable excessive-speed message flashes SLOW DOWN or any of several preconfigured graphical symbols, together with optional red-and-blue or white flashing lights. The display can show vehicle speed in miles per hour (one or two digits) or kilometers per hour (up to three digits).

A regulatory sign above the display features changeable speed-limit numbers for easy setup in any speed zone. The electronic display includes visors and shades for superior visibility. Trailers feature a see-through design that puts pedestrians and workers in view, improving their safety.

## Four Trailer Sizes with multiple R2-1 sign sizes

Compact Trailer for neighborhoods and low speeds

Vertical Trailer for viewing over barriers

Folding-Frame Trailer for large roadways

Large Folding-Frame Trailer for high speeds

Regulatory sign sizes from 24×30 up to 48×60



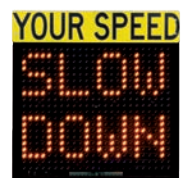
Compact Speed Trailer



Vertical-Mast Speed Trailer



Folding-Frame Speed Trailer



Choose from preprogrammed messages or create your own

**SPEED**

Custom sign colors are optional



### Options

- Touchscreen controller
- Red-and-blue or white flashers
- Flashing beacons
- Traffic Data Classifier System
- Modem/GPS package
- Asset tracker
- High-security battery box
- Wheel-lock bar
- Additional batteries and solar

## Optional Touchscreen Controller\*

Wanco's full-color touchscreen controller provides access to all speed sign functions and is widely known as the industry's easiest to use. Features include capacitive response, large virtual buttons and easy message setup.

*\*Standard speed signs have an analog controller; the touchscreen is an optional upgrade. When a speed trailer is ordered from the factory with the Wanco Data Classifier System, the touchscreen controller is included.*

### Touchscreen Features

- Capacitive touchscreen with instantaneous response
- Single-press to access most common settings
- Change settings and view system status from main screen
- Set any speed and excessive speed independently
- Display vehicle speeds or messages
- Choose from preprogrammed messages or create your own custom messages
- Internal clock facilitates built-in schedule programming
- Set up connected devices, including the Wanco Traffic Data Classifier System, described below
- Multi-level password protection restricts access to authorized personnel
- Main screen shows message on sign, speed settings, radar and classifier status
- Access system information, power levels, active alarms and system settings from main screen
- Turn connected devices on and off, including radar, classifier and beacons

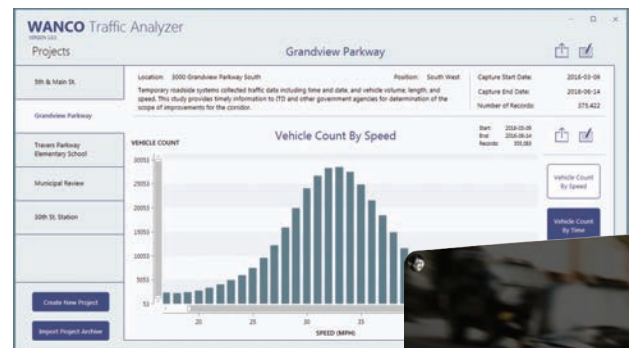
## Optional Traffic Data Classifier System

The Wanco Traffic Data Classifier System provides a safe, nonintrusive method for monitoring and analyzing traffic patterns. Instead of wires, loops or hoses, the data collector uses its own dedicated side-fire radar, which beats standard front-facing radar for capturing vehicle count, speed, direction and length (for classification) in both directions, with time and date. The system includes analytic graphing software for charting data with ease.

When integrated with any Wanco Radar-Speed Trailer, the two systems can operate simultaneously or independently. The system includes the touchscreen controller described above.

### Classifier System Features

- Tool for traffic engineers to analyze traffic patterns
- Investigate and validate complaints from citizens, neighborhoods and contractors
- Planners can back up needs and recommendations with real data
- Radar-based design is less dangerous to install than loops and hoses
- Most effective for two-lane roads
- Counts both approaching and departing vehicles
- Side-fire radar system captures vehicle count, speed, direction and length
- Registers millions of vehicles in internal memory
- Remote data download with optional modem installed



### Wanco Traffic Analyzer

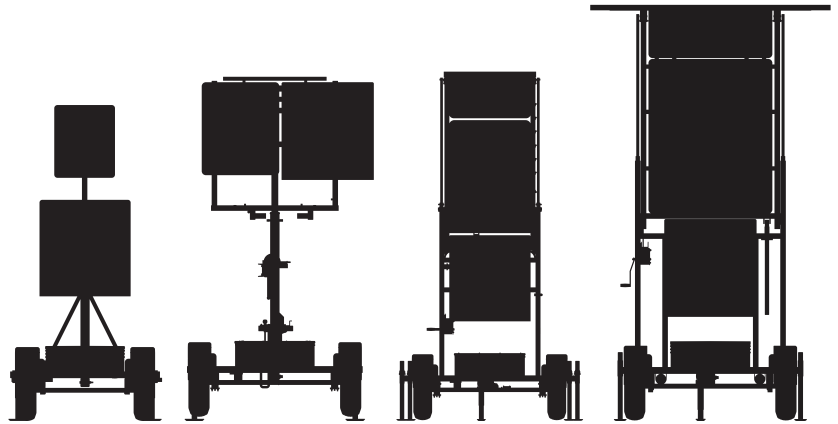
- Wanco Traffic Analyzer app included with system
- App installs on user-supplied computer
- Create and manage multiple projects at once
- Name projects and add details and notes when needed
- Analytic graphing charts vehicle count vs. speed, volume over time, and means & percentiles for easy analysis
- Filter data as desired
- Fully interactive graphs can be customized for your requirements
- Export graphs in common file formats





Large Folding-Frame Speed Trailer  
with optional flashing beacons

## Trailer Size Comparison



**Compact Trailer**  
Model WSDT3-S

**Vertical-Mast Trailer**  
Model WSDTV

**Folding-Frame Trailer**  
Model WSDTF-48

**Large Folding-Frame**  
Model WSDTF-60

## Brief Specifications

		Compact Trailer		Vertical-Mast Trailer		Folding Trailer, 36 × 48		Large Folding Trailer, 48 × 60	
Deployed footprint, L × W	in (cm)	106 × 60	(268 × 152)	118 × 77	(299 × 195)	130 × 82	(330 × 208)	127 × 75	(323 × 191)
Operating height	in (cm)	123	(312)	134	(340)	154	(392)	162	(412)
Travel height	in (cm)	91	(231)	92	(234)	102	(260)	105	(267)
Display cabinet size,* W × H	in (cm)	36 × 38	(91 × 96)	36 × 38	(91 × 96)	36 × 38	(91 × 96)	36 × 38	(91 × 96)
Speed display font size	in (cm)	26	(66)	26	(66)	26	(66)	26	(66)
Speed limit sign size,† W × H	in (cm)	24 × 30	(61 × 76)	30 × 36	(76 × 91)	36 × 48	(91 × 122)	48 × 60	(122 × 152)
Weight, approx.	lb (kg)	870	(395)	1250	(567)	1170	(531)	1300	(590)
Power		Batteries, solar		Batteries, solar		Batteries, solar		Batteries, solar	

\*Height includes YOUR SPEED sign. †Standard sign sizes shown, other sizes are optional. Contact the factory.



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