Radar-Speed Trailers
with Large Full-Matrix Display



TRANSPORTATION SOLUTIONS & LIGHTING

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TS&L **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

TS&L® 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, TS&L 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



Custom sign colors are optional



Optional Touchscreen Controller*

TS&L·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 TS&L 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 TS&L Traffic Data Classifier System, des
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

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 Traffic Data Classifier System

The TS&L 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 TS&L 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

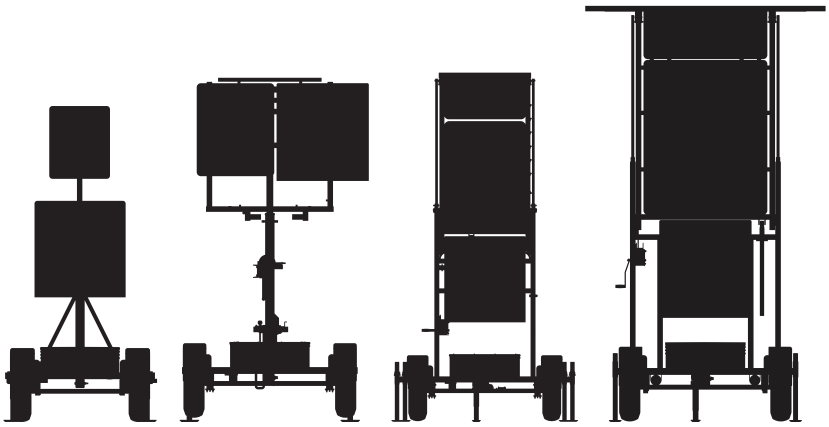
TS&L Traffic Analyzer

TS&L 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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