



**We make  
highways  
talk™**

- **MANAGEMENT**
- **SAFETY**
- **PRESERVATION**

*International Road Dynamics Inc. develops and maintains traffic management products and systems technology that make highways talk. What are they saying? They are providing information that roadway administrators need to manage traffic, preserve infrastructure and provide safety warnings to drivers.*

*IRD's multi-discipline, innovative and customer-focused team is expert in advanced technologies, advanced traffic solutions and custom-designed systems.*



**CUSTOMER  
DRIVEN™**

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## TRS Plus Traffic Recording Systems

The TRS product line offers superior data collection capability and flexibility. The standard display is a 4-line by 20-character LCD. The 16 alphanumeric keys allow the user the option to program the unit without the use of a computer. Depending on the application, the unit can be packaged in a weatherproofed portable enclosure or rack mounted for permanent installation. The portable unit can be equipped with a solar panel as an option.

The TRS Plus is capable of real-time traffic monitoring. The TRS Plus continuously calculates and makes available Volume, Occupancy, and Speed (VOS) data. Historical data continues to be downloaded from the site without interrupting the VOS calculation process.



**TRS Plus and Mini TRS Plus have been upgraded to include:**

- **USB Ports**
- **Flash upgradeable firmware**
- **Expanded internal memory**

### FEATURES

- Up to 24 inputs
- Compatible with tube, piezo, loop, contact and environmental sensors
- 20-Character by 4-line display
- Binned and event data
- Real-time clock
- Piezo Weigh-In-Motion
- 8 Lanes of Classification
- 2GB internal memory
- 2 RS232 serial ports (communications and real-time ITS applications)
- 2 USB ports – for flash drive (take away memory) and communications
- Backwards Compatible
- Flash upgradeable firmware
- **Bluetooth®** wireless technology optional



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# TRS Plus

## Traffic Recording Systems

The TRS Plus can be operated via the integrated keypad and display or via a serial link with a computer or modem. Upon power up, the TRS is completely menu driven for ease of use in the field. To serve the special needs of many different users, the TRS options include: solar panel, expandable memory, environmental sensors and WIM.



TRS Inputs



TRS Rack II

### TECHNICAL DATA

Enclosure:	Cast aluminum (powder coat); Sheet metal card cage (TRS)
Time periods:	1 to 60 minute intervals
Classification:	FHWA 15-category classification or a user-set classification table
Data Storage:	2 GB standard, up to 16 GB User-set memory rollover
Power:	Typically 45 days per charge; On/Off switch standard Optional solar panel
Dimensions:	17.8 cm x 34.3 cm x 15.2 cm (7 in x 13.5 in x 6 in)
Mini:	22.9 cm x 17.8 cm x 12.7 cm (9 in x 7 in x 5 in)
Rack II:	48.3 cm card cage (19 in card cage)
TRS Weight:	Less than 15 lbs
TRS Mini Weight:	Less than 10 lbs
Display:	20-character by 4-line
Accuracy:	Self adjusting air switches Meets or exceeds TMG and ASTM standards
Communications:	RS232 serial comms from 300 to 115 K baud, USB, optional <b>Bluetooth®</b>



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