TRS Plus Traffic Recording Systems

A weatherproofed portable or rack-mounted classifier with real-time traffic monitoring that provides Volume, Occupancy, and Speed (VOS) data.

TRS Plus

IRD's 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.

IRD's TRS Plus is capable of real-time traffic monitoring. IRD's 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.

Quarterhill's TRS Plus and TRS Mini 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
- 4-line by 20-character LCD display
- Binned and event data
- Real-time clock

- Piezo Weigh-In-Motion
- 8 Lanes of Classification or WIM
- 8 GB 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
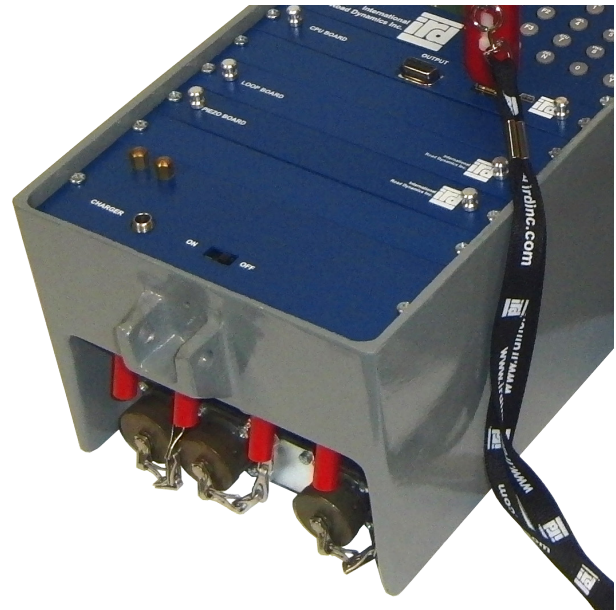- Bluetooth® wireless technology optional

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System Operation

Quarterhill's 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.

Display and Keypad

TRS Plus Inputs

Specifications	
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	8 GB standard, up to 32 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" x 13.5" x 6")
Rack II	48.3 cm card cage (19" card cage)
TRS Weight	Less than 4.5 kg (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 1200 to 115 K baud, USB, optional Bluetooth®

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