



**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™**

JUNE 2008, REV A  
PRINTED IN CANADA

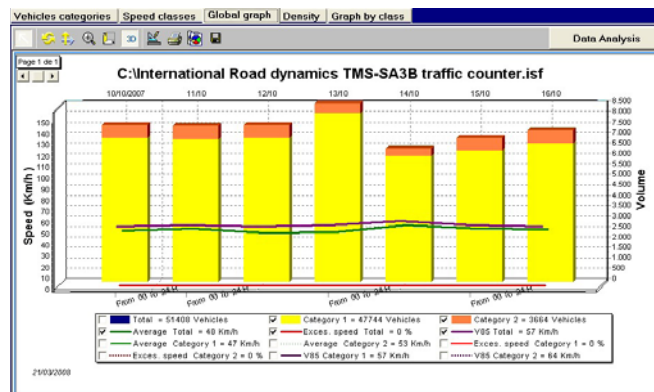
## TMS-SA Microwave Traffic Counter/Classifier

The TMS-SA is a compact, portable microwave traffic counter/classifier that is ideal for both temporary and permanent surveys. Using a Doppler radar, it counts vehicles, measures their speed and classifies up to four length categories. The simple and complete software allows the user to set the radar, download and easily process the traffic data.



### FEATURES:

- Setup and download data via *Bluetooth®* wireless technology
- Records date, hour, speed and length of each vehicle
- Memory of up to 1,000,000 vehicles (250,000 standard)
- Radar auto-adjusts to the direction of traffic
- Universal mounting bracket
- Completely self-contained



# TMS-SA

## Technical Information

<b>Speed range</b>	From 10 to 255 km/h (6 to 158 m/h)
<b>Accuracy</b>	Speed : 97 % Counting : 98 % Length : 90 %
<b>Operating temperature</b>	From -25°C to +65°C (-13°F to + 149°F)
<b>Power supply</b>	6 V (lead battery)
<b>Power consumption</b>	8-12 mA while measuring, 18 mA in setting mode
<b>Battery life</b>	+/- 500 hours/charge
<b>Size of memory</b>	250 000 - 1,000,000 vehicles
<b>Frequency</b>	K Band (24.1250 GHz)
<b>Transmission power</b>	5 mW
<b>Max. dimensions</b>	300 x 245 x 340 mm (11.8 x 9.6 in x 13.4 in), mounting system included
<b>Weight</b>	7.5 kg (16.5 lbs) including battery and mounting system
<b>Degree of protection</b>	IP67
<b>User output</b>	RS232 Visualization led for detection
<b>Mounting system</b>	Universal mounting bracket
<b>Software:</b>	
<b>Operating System</b>	Windows 2000 or higher, minimum 256 MB RAM
<b>Disk space requirement</b>	50 MB
<b>Language choice</b>	7 (English, Spanish, French, Portuguese, Italian, Danish & Netherland)
<b>Version</b>	TMS-SA3

\* The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such trademarks by International Road Dynamics Inc. is under license. Other trademarks and trade names are those of their respective owners.

### Corporate Office

702 - 43rd Street East  
Saskatoon, Saskatchewan  
Canada S7K 3T9  
Tel: +1(306) 653-6600  
Fax: +1(306) 242-5599  
Toll Free: 1-877-444-4IRD (4473)  
Email: info@irdinc.com

### U.S. Office

2402 Spring Ridge Drive, Suite E  
Spring Grove, IL  
USA 60081  
Tel: +1(815) 675-1430  
Fax: +1(815) 675-1530



International  
Road Dynamics Inc.



Publicly Traded on the TSX (Symbol IRD)  
Find out more about IRD on our website: [www.irdinc.com](http://www.irdinc.com)

IRD products and components are protected by one or more worldwide patents and/or trademarks.  
IRD reserves the right to change, modify, or improve its products at any time without notice.

PRINTED IN CANADA