

**5-Year  
Instrument  
Warranty**

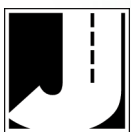
# RAC Series



## Vehicle Installed **Distance Measuring Instruments**

**Make Your Job a Little Bit Easier**

- State - County - City - Town
- Road Surveys and Inventories
- Maintenance and Construction
- Mapping-Staking-Painting-Striping
- OSP Inventories • Fault Location



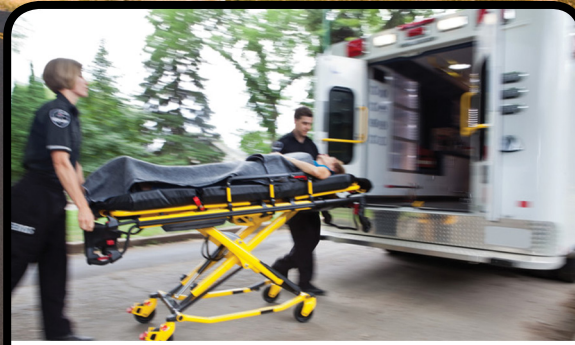
**JAMAR**  
Technologies, Inc.

*Making Data Collection Easier*

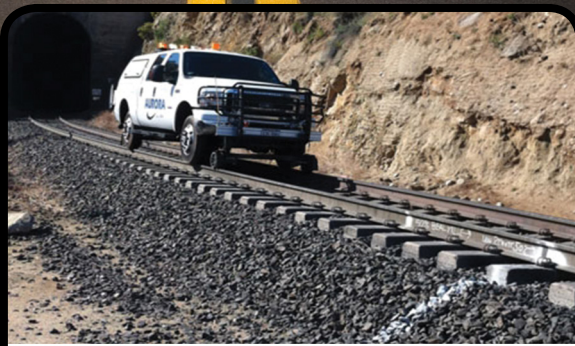




Bus Route Planning



E-911 Addressing



Railroad Track Inspectors

# JAMAR Distance Measuring Instruments ...Simply The Best

For 20 years, JAMAR has set the standard in vehicle installed Distance Measuring Instruments. These cost effective DMIs allow your field personnel to measure distance as they drive, accurate up to 1 foot per mile. Much safer and more cost effective than using the old 'Hand-Wheel', users of JAMAR DMIs have come to appreciate their accuracy and reliability across a wide range of applications. Applications include: Safety Zone Layout – Estimating Material Requirements – Documenting Quantities – Pre-Bid Measurements – Highway Inventory – and many more.

Tight budgets and smaller staffs demand greater productivity. With only so many hours in a day, better equipment is one of the few ways to get more done in less time. Justifying specific equipment depends on cost vs. payback in man-hours saved. Our DMIs provide an economical tool to increase productivity with a payback often in a matter of days.



Never again bother with handwheels and clipboards

Our large display can be read from any angle with four brightness levels to allow for ambient light conditions, whether it be bright sunlight, cloudy, or at dusk/night. Dual display windows simplify and separate distance data from vehicle speed, interval distance, status and menu information. All this in a small package (7.8" x 2.3" x 1.2") for mounting to the vehicle dashboard or, with optional bracket, to the windshield.

Our newest model, the RAC Geo II, shows the commitment we have to continually improving our products with the latest technology. The Geo II uses a high-performance, on-board GPS receiver that allows you to do distance measuring without the need of any external sensor, saving you time and money.

Virtually everyone who uses JAMAR DMIs prefer them over what they have used in the past, and only JAMAR instruments have a 5-year instrument warranty. Our quality and reliability are unequalled. Simply put, the JAMAR instrument is THE BEST DMI on the market.

## RAC Plus I

**Saves Time • Quick Pay Back • Easy to Use**

The RAC Plus I brings the accuracy, reliability and productivity of using a vehicle installed distance measuring instrument within the reach of everyone. All distance and speed information can be read directly from the RAC Plus I's display.

Distance measurements are accurate to 1 foot per mile, even in slow speed applications. The durable, light weight case (7.8" x 2.3" x 1.2") allows you to mount the DMI virtually anywhere inside the vehicle. The unit can be plugged directly into most existing vehicle wiring for a distance measuring instrument, allowing you to quickly and easily upgrade your DMI to the latest technology.

Additional features include: multiple brightness levels, distance conversion, count & display hold, pre distance, interval distance, distance pulse output, and more.



## RAC Geo II

**GPS Based • Installs in seconds • No tools required  
No Calibration • Portable from vehicle to vehicle**

The new RAC Geo II represents a revolutionary leap forward in distance measuring instruments. This new device, available exclusively from JAMAR Technologies and its distributors, has an internal GPS receiver that allows it to provide distance measurements without the need of any external distance sensor. Simply plug the device into your vehicle's 12 volt power outlet (cigarette lighter) and you are ready to go. No calibration, no under hood wiring or splicing, no hassle.

In addition, since the Geo II is using a GPS receiver to track distance traveled, it can also provide GPS coordinates for highway & sign inventory, mapping and much more. The coordinates can be read directly off the display of the Geo II, or stored in memory and downloaded to a computer.



**NEW  
Model**



Contractors/Pavers



Telephone - Power - CATV



State - County - Local Highway Dept



# RAC Plus I or RAC Geo II...

## ...what's right for you?

Feature	Plus I	Geo II
Measure Distance Accurate up to 1 Foot per Mile	✓	✓
Read Distance Directly off of Display	✓	✓
Compact Case Design (7.8" x 2.3" x 1.2")	✓	✓
Dual LED Displays	✓	✓
Adjustable Four Brightness Levels	✓	✓
Count and Display Hold Commands	✓	✓
Count Up (add) or Down (subtract) Commands	✓	✓
Distance Conversion from Feet to Miles to Kilometers	✓	✓
Menu Driven Commands	✓	✓
Distance Pulse Output Capability	✓	✓
Store Multiple Calibration Numbers	✓	✓
Built-in Self Diagnostics	✓	✓
Five-Year Instrument Warranty	✓	✓
Plug-in Compatibility with Existing DMI Vehicle Wiring	✓	✓
Distance Measuring with External Modular Sensor	✓	✓
Distance Measuring with External Magnetic Sensor	✓	✓
Distance Measuring with External OBD Sensor	✓	✓
Distance Measuring with Internal GPS Sensor	✗	✓
High performance 66-channel GPS Receiver	✗	✓
Store Events in Memory	✗	✓
Download to RACPro Software	✗	✓
Read GPS Information Directly off Display	✗	✓
Store GPS Information of Events in Memory	✗	✓
Track GPS Information on Second-by-Second Basis	✗	✓
Map GPS Information with RACPro Software	✗	✓

*"I just wanted to comment on the RAC Plus I purchased from you last week and installed yesterday. What a breeze to install and use! I have been installing/repairing/troubleshooting/replacing (Brand X) DMIs for 10-12 years on various Government vehicles and finally got fed up and purchased yours to try them out. I had nothing to lose at this point and wow, I wished I would have switched years ago. You have an outstanding product that is user friendly and simple to install compared to the other guys."*

*- Satisfied New User of JAMAR DMIs*

## RAC Plus I Specifications

**Power:** 9 to 16 VDC, negative ground.

**Display:** Dual 6 digit window, high intensity LED. Separate LED indicators for unit of measurement & interval distance.

Four brightness levels.

**Accuracy:** +/- 1 foot per mile. **Resolution:** 1 foot.

**Keyboard:** 20 sealed keys, 5 million operation with click & tone feedback. ON/OFF slide switch.

**Speed Display:** Three digit 0-999 (mph & kph) displayed simultaneous with distance.

**Time:** Elapsed/Real Time (hh,mm,ss).

**Count:** Bi-Directional (Up/Down).

**Calibration:** Automatic & manual w/four vehicle calibration and vehicle number ability. Non-Volatile EEPROM Memory.

**Test:** System check on power up, display of calibration and vehicle number.

**Automatic Distance Conversion:** Miles (thousandths) to Total Feet to Meters (kilometers).

**Count Hold:** Stops accumulation of distance.

**Display Hold:** Freezes display without loss of distance.

**Pre-distance:** Can start at known distance or Add/Subtract desired distance value from current distance display.

**Interval Distance:** Display of distance between selected events & total distance.

**Distance Pulse Output:** 0-5 VDC, low going high, user selectable interval and duration.

**Memory Retention:** Non-Volatile EEPROM for calibration & vehicle numbers — 50+ years retention.

**Circuitry:** Solid state, surface mount, modular, EEPROM, micro-computer.

**Case:** ABS plastic. **Weight:** 6.5 oz.

**Dimensions:** 7.8"W x 2.3"H x 1.2" D.

**Operating Temperature:** 32°F (0°C) to 167°F (75°C).

**Warranty:** 5-year instrument warranty.

## RAC Geo II Specifications

(In addition to the above)

**GPS:** Built-in GPS receiver capable of being used for distance measuring without the need for any other sensor, with accuracy of within 1 foot per 1000 feet.

**Memory:** 4 MB memory, 400,000 Event locations, 0-9999 Event code identifiers, Distance, Time & Speed, up to 30 hours of GPS data.

**Data Output:** Serial RS-232.

**GPS Compatibility:** Receive and store GPS coordinates. WAAS enabled, 66-channel GPS receiver capability allows GPS accuracy of less than 1 meter.



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