

TRAX Apollyon

**NEW
DESIGN**



Small Size... ...Big Features

- Road Tube Traffic Data Recorder
- Highly Accurate and Easy to Use
- Data for Volume, Class, Speed & Gap
- Weighs Less than Three Pounds
- USB Download & Flash Drive Ports



JAMAR
Technologies, Inc.

Making Data Collection Easier

JAMAR TRAX Traffic Data Recorders... ...The Best Just Got Better

For over a decade, JAMAR has set the standard in pneumatic traffic recorders. Now we're raising the bar again by introducing the all new TRAX Apollyon... the most advanced, yet simplest to use TRAX ever.

The cost effective Apollyon allows you to easily and accurately collect comprehensive time-stamped traffic data at multiple locations. This data can then be processed with the powerful TRAXPro software to provide volume, speed, class, gap and more information all from one data file.

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 TRAX Apollyon provides an economical tool to increase productivity with a payback often in a matter of weeks.

Among the new time saving features of the Apollyon is the elimination of battery maintenance though the use of high-capacity lithium batteries, which don't require charging or changing. These lightweight (yet long lasting) batteries make the Apollyon, at just 3 pounds, the lightest traffic recorder of its kind. The Apollyon also has a built-in USB port for easy in-field flash memory download, as well as a USB port for direct computer download back in the office. When you combine these features with the TRAX's exclusive on-board tube testing capability and EZ Belt compatibility, you end up with the most accurate, yet easiest to use, traffic recorder available.

Virtually everyone who uses JAMAR TRAX data recorders prefer them over what they have used in the past. Our quality and reliability are unequalled.

In short, you won't find a better solution to your traffic data collection needs.

New! • USB Interface - Retrieve Your Data with Ease

One of the most convenient new features of the TRAX Apollyon is the incorporation of USB ports for retrieving data. Most older traffic counters use a serial port for downloading data, but many new computers no longer come with a serial port. This usually requires you to use an extra adapter to create a port on the computer that you can use.

The USB download port of the TRAX Apollyon allows you to bypass this issue, by allowing you to connect to any of your computer's USB ports and download to the TRAXPro software. Also, since the USB port uses a standard format, any USB cable you use to connect to a peripheral device (printer, scanner, etc.) can be used to download the Apollyon.

In addition to the download port, the Apollyon also has a USB port for flash memory, so now you don't even need to bring the counter back to the office to get your data. Simply plug any standard flash drive into the Apollyon's port and you are ready to walk away with your data in seconds.

New! • No Battery Charging – Long Life Lithiums

One of the best things about the new TRAX Apollyon is that it doesn't require routine battery maintenance. The recorder is powered by two internal high-capacity lithium batteries. These batteries will typically last several years, depending on use.

Use of these lithium batteries also means that you don't have to lug around a heavy lead gel cell battery, like with most other traffic recorders. In fact, the Apollyon weighs less than 3 pounds.

New! • Watertight, Crushproof Case

The Apollyon uses a watertight, crushproof polypropylene copolymer case that makes it extremely durable, greatly reducing the potential for costly water damage and downtime for repairs.



• The Power and Flexibility of Axle Time Stamping

In storing its data, the Apollyon time-stamps every axle recorded during the count. Once the data is downloaded to the TRAXPro software, this time-stamped data can be processed to get traffic volume, speed, classification and gap data – all from a single data set.

Now, imagine that you start looking at your data and realize that something is wrong, the data isn't what it's supposed to be. With most counters that use traditional data recording, you are left with no alternative but to do a costly re-count and, what's worse, you might not even know what went wrong.

Time-stamped data is different.

With axle time-stamped data, you can fully investigate how every data point was recorded during a count and, what's more, time-stamped data actually lets you fix problems after the data has been collected.

For example, you can view the time-stamps of individual vehicles to determine if the road tubes were hooked up backward or at the wrong spacing (two very common mistakes) and fix either of these problems without having to do a costly recount.

• On-Board Road Tube Diagnostics - Identify problems BEFORE they occur

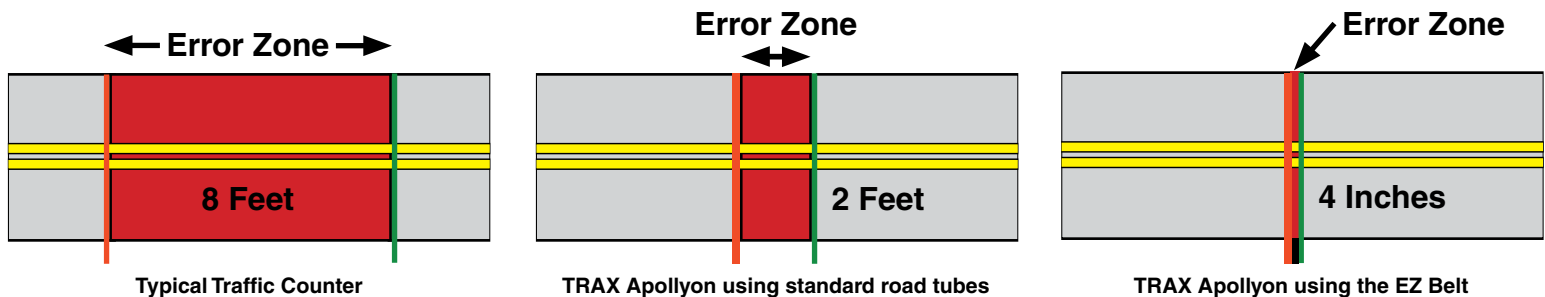
Few things are more frustrating than spending time & money to do a traffic study only to find out later the data is not usable because of road tube problems. With high fuel costs and the time it takes to return to a location, reinstall equipment and redo a count, the overall cost can easily reach hundreds of dollars for a single count.

With a TRAX Apollyon, you can greatly reduce this possibility. TRAX Apollyon data recorders use built-in diagnostics to analyze the strength of air pulses that are received from road tubes. This information is then displayed on the screen in an easy to understand format for your review. With this information you can diagnose situations where a tube may be good enough to record data for a few hours, but will fail long before the study is complete, enabling you to reduce the need for recounts.

• The EZ Belt – Collect Data with a Tube Spacing of 4 Inches

The EZ Belt is a revolutionary new design for recording data with road tubes. The new EZ Belt consists of two pneumatic tubes connected together at a 4 inch spacing by a thin layer of rubber. Since the two tubes are manufactured at a set distance apart, there is no need for you to do any measuring while in the field. Simply roll out the EZ Belt, tape it down and you're ready to record highly accurate data for class, speed and more. Only JAMAR recorders like the Apollyon have the processing speed to effectively handle data this fast.

The spacing between the two tubes is of critical importance when you are trying to record data on more than one lane. The area between the two tubes is an error zone – if two vehicles are in that zone at the same time you can get bad data. The shorter you can make the spacing, and thus the error zone, the more accurate your data can be.



Graph time-stamps for easy error checking

Modify Default Values

View Individual Time Stamps

The top screenshot shows a line graph of axle counts (A On, B On, C On, D On) over time from 11/4/2009. The y-axis ranges from 0 to 2250. The middle screenshot shows the 'Modify Default Values' dialog box with options for 'Sensor Spacing' (4.33), '1/2 Tube Spacing' (6.00), and 'Max Axle Distance' (480.00). The bottom screenshot shows a plot of individual time stamps for lanes A, B, C, and D, with specific vehicle IDs like 0-1671, 0-3358, 0-2023, and 0-3405.



• Produce a Wide Variety of Reports - in Several Formats

TRAXPro contains a wide range of default reports, for all types of data. Alternating lines in the printouts are shaded for easy reading, and a full spectrum of statistical analysis is provided. Finished reports can also be electronically output to Adobe PDF or Rich Text format.

One Day Per Page, with Graph

One Week Per Page

Three Days Per Page

Summary Stats Report



Include Digital Photos

• Unmatched Technical Support and Service

Top-notch technical support and service are another great feature you get when buying a JAMAR product like the TRAX Apollyon. All technical support is free. You do not need a maintenance or service agreement in order to get technical support for either the TRAX Apollyon or its software.

Support can be found in a number of areas, and is as close as your nearest phone or computer. Our toll free 800 number can be used for direct support inquiries and we also provide the most extensive on-line support resources in the industry at www.jamartech.com. JAMAR User's Manuals also contain detailed instructions and tutorials on how to use your product.

See a Video Demo of the Apollyon at www.jamartech.com/traxapollyon

Specifications

- Size:** 8.25" x 6.5" x 3.5"
- Weight:** Approx. 2.5 pounds
- Case:** Watertight, crushproof Polypropylene Copolymer
- Battery:** Two internal high capacity lithium batteries
- Battery:** Long life Lithium Batteries
- Interface:** USB 'B' Port & USB 'A' Port
- Download Speed:** Up to 115200 bps
- Memory:** 8 MB Internal Memory
- Clock:** Always active real-time clock
- Display:** Wide Temp, 4-line by 20-character LCD display
- Output:** Binary file read by JAMAR software
- Diagnostics:** Built-in tests for memory, display, and keys
- Data Collection Formats:** Volume, Time-stamp
- Inputs:** Two or Four Road Tubes
- Temperature Range:** -40F (-40C) to 165F (74C)
- Units:** English (feet) or Metric (meters)
- Date Format:** USA (MM/DD/YY) or World (DD/MM/YY)



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