

Next-generation radar and powerful software

# ATS II

## The Stalker Acceleration Testing System

- Next-generation ATS II hand-held radar
- Powerful Acceleration Testing System software
- Speed and acceleration data stored in gun memory
- The choice of major magazines and manufacturers



*"(STATS) proved to be within about 1/100th of a second of the Englishtown drag strip timing system on all 15 vehicles we ran...The Stalker is nothing short of amazing!"*

Mike Allen  
Popular Mechanics

*"It's almost like having a dynamometer right at your fingertips...eliminates the guess work when you make performance changes... one of the coolest tools on earth!"*

Tom Kerker  
Splash Magazine

### Introducing the Stalker ATS II

The **ST**alker **A**cceleration **T**esting **S**ystem (**STATS**) is the combination of the incredible Stalker ATS II professional hand-held radar and the new, more powerful Stalker ATS II software.

The Stalker ATS II radar gun is a portable and accurate instrument for recording acceleration and deceleration of vehicles and other moving objects. Like its predecessor - the Stalker ATS - the ATS II is a speed sensing radar. But rather than sending data just to a connected computer, the ATS II also stores the data in memory located inside the gun. Thus - unlike the ATS - the ATS II doesn't require connection to a computer to collect its speed and acceleration data.

***The Stalker ATS II provides a detailed picture of the dynamics of acceleration. It is the ultimate tool for racers and manufacturers to test and tune products for maximum performance.***

**STALKER**<sup>®</sup> Sports Radar

*The World Leader in Speed Measurement*

**888-STALKER**

**StalkerSportsRadar.com**

## The Industry Standard

The original STATS is used by nearly every major magazine and vehicle manufacturer for acceleration and braking tests. The performance measurements you see published are most likely performed with STATS. Now you can own the next generation STATS II.

### Next-Generation Radar

Based on the Stalker Pro II next-generation sports radar, the ATS II is smaller and lighter than the original ATS radar. With a 1 - 800 mph speed range, it's capable of clocking balls at up to 500 feet and automobiles up to two miles.



Speed and acceleration events are measured at precise intervals and stored in the gun as separate "trials." The number of trials that can be stored is dependent on each trial's length. A total of 60 minutes of readings can be stored in the ATS II.

### Data Transferred to Computer

To process and analyze the speed and acceleration data, the ATS II is first connected to a computer running the Stalker STATS II software. The data is transferred and saved as a file on the computer's hard drive. Since speed, time, distance, and acceleration (or deceleration) are mathematically related, having any two of these measurements mean the other components can be derived with absolute accuracy.

### Use the ATS II Anywhere

The ATS II gun is waterproof in up to two feet of water so you can use it anywhere - on the lake or ocean, on snow, on straight roads, in your car, or in your backyard. Just position the ATS II behind (or ahead of) the test vehicle. You can even place the radar inside the test vehicle and take speed readings from the terrain. There is nothing to attach to the vehicle to change its aerodynamics or weight.

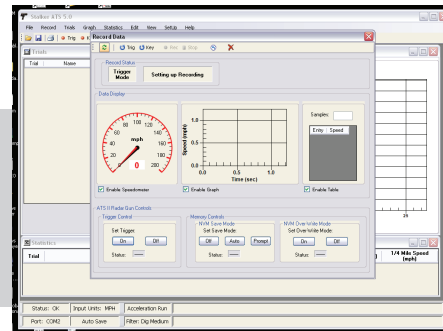
Simply connect the ATS II to your computer running STATS II and download the trial data. Software analysis is simple and automated.

#### SPECIFICATIONS:

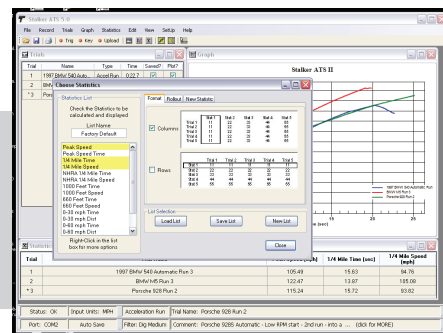
|                                 |  |
|---------------------------------|--|
| <b>Accuracy:</b>                | ± 3% of reading  |
| <b>Speed Range:</b>             | 1 - 800 MPH<br>In whole digit resolution to the nearest integer;<br>In tenths resolution to the nearest tenth. |
| <b>Target Acquisition Time:</b> | 0.01 seconds   |
| <b>Microwave System:</b>        | Ka Band, 15 mw nominal   |
| <b>Weight:</b>                  | 2.15 pounds  |
| <b>Units of Measure:</b>        | MPH, km/h, knots, m/s  |
| <b>Warranty:</b>                | 1 year Parts and Labor<br>90 days on batteries   |
| <b>Range:</b>                   |  |
| Baseball                        | 500 feet   |
| Automobiles                     | 1¾ miles   |

# ATS II

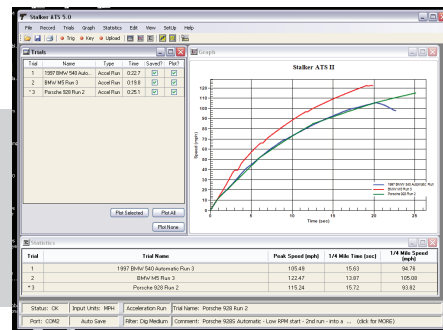
## The Stalker Acceleration Testing System



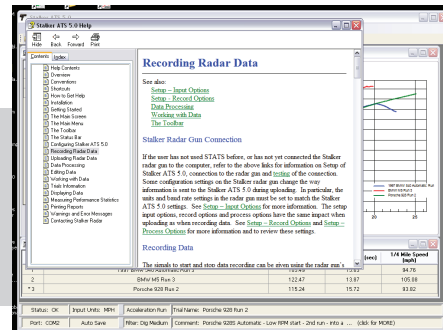
Downloading data is as simple as pressing the F2 key. The run can then be graphed in any combination of speed, time, distance, and acceleration.



Statistics can be selected from a list, or customer measurement points can be created using simple start and end settings. STATS II provides performance information anywhere on a run, not just ending times.



A new file can be created by averaging several runs together. This is great for reducing the effects of variables like the wind.



Built-in context sensitive Help is always available at the push of a button. A complete version of the manual is stored in the help files.

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