



# ReacTime – False Start Detection

Datasheet

## False Start Detection – Wireless

ReacTime is the world's only completely wireless Championship False Start Detection System that can also be used as a modular Reaction Training System. Unlike some simpler systems, ReacTime has no "contact pads," and it cannot be tricked.

The system is easy to use and rugged. The battery or AC powered blocks are weatherproof and are designed to withstand the tough demands of a track environment.

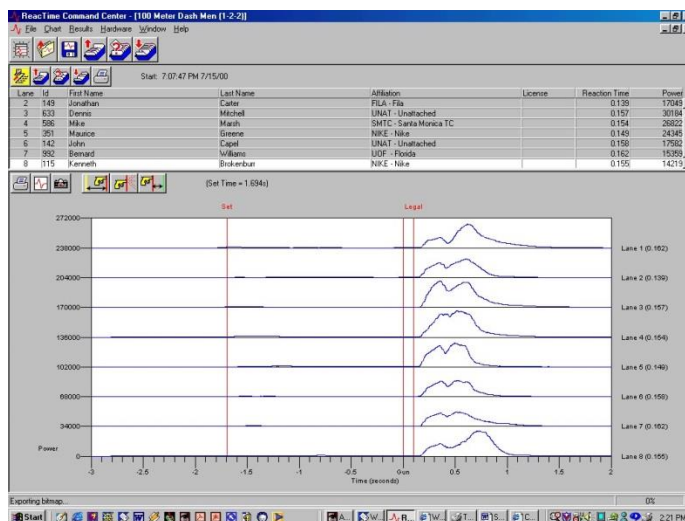
When used as a stand-alone personal training system to help sprinters improve their starting technique, an individual ReacTime module can be used to record and display an athlete's gun-to-motion times to an accuracy of 1/1000th of a second.

The Competition ReacTime system detects false starts (as defined by World Athletics Technical rule 16.6 and USATF rule 162.14) – also to an accuracy of 1/1000th of a second – and instantly signals this information to the starter.



## Helps Ensure Fairness

- Measures reaction times to 1/1000th of a second.
- Detection mechanism clips to virtually every manufacturer's starting blocks.
- Control Center for the starter is lightweight and portable.
- Battery operated and rechargeable or AC powered.
- All athletes hear the starter's commands or the sound of the gun simultaneously.
- Includes all required cables as well as headset for the starter.
- 100% integration with the FinishLynx timing system, including the ability to store the reaction time of the athletes in the FinishLynx results area and print with results.
- Optional wireless adapters eliminate the need to lay out cables to each of the starting blocks.
- ReacTime Software for Windows allows the power waveforms for all the athletes in a race to be graphed, compared, saved and printed.
- Paper tape printer allows reaction times of the athletes to be printed trackside for each race





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## Modular and Upgradeable

- Same technology for Reaction-Time Training System and Championship False Start System. Buy a Training System today and simply upgrade to the Championship System at a later date.
- Accurate to 1/1000th of a second.
- Downloadable reaction traces for detailed start analysis.
- Battery operated and rechargeable.
- Clips to virtually any starting block.
- 24 hours – 7 days a week – U.S. based – technical support from the manufacturer.
- Cannot be “tricked” like many other systems.
- Training system starter commands can be personally recorded.
- Rugged, weather resistant construction designed to withstand the rigors of everyday use.
- Affordable. Training system prices start at \$1,000.
- The world's top sprinters have shown that reaction times can be improved by training – and ReacTime can be the cornerstone of that training process.
- Can be operated with an external starter giving the commands and the firing a gun. Or with speaker option, can be pre-programmed to give the commands “On your marks,” “set,” and a gun sound. The timing of the instructions is randomized within a programmable range.
- Two Personal Training Systems can be linked for competitive training. Can be connected to photoeyes or a FinishLynx system for total sprint timing.
- Protects your investment. Personal ReacTime units can be used as components of a full false start detection system.
- Data from your entire workout, including power waveforms, can be stored in the unit and retrieved later on your own PC using the Personal ReacTime software.

## World Athletics and USATF Compliant

### WORLD ATHLETICS TECHNICAL RULE 15.3

In competitions held under paragraphs 1.1, 1.2, 1.3 and 1.6 of International Competition definition and for any performances submitted for ratification as a World Record under Rules 32 and 34 of the Competition Rules, the starting blocks shall be linked to a World Athletics certified Start Information System. This system is strongly recommended for other competitions.

### WORLD ATHLETICS TECHNICAL RULE 16.6

When a World Athletics certified Start Information System is in use, the Start and/or an assigned Recaller shall wear headphones in order to clearly hear the acoustic signal emitted when the System indicates a possible false start (i.e. when the reactime time is less than 0.100 second). As soon as the Start and/or Recaller hears the acoustic signal, and if the gun was fired, there shall be a recall and the Starter shall immediately examine the reactime times and other available information from the Start Information System in order to confirm which, if any, athlete(s) is/are responsible for the recall.