

Product Brochure WindSpeed II



2024v1

SPORT TIMING SYSTEMS



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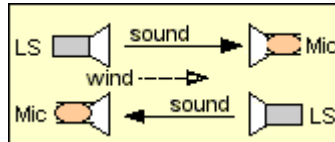
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Non-mechanical wind-gauge MANDATORY

According to the World Athletics Competition and Technical Rules of 2023. 17.9 Non-mechanical wind gauges shall be used at all competitions under paragraphs 1. and 2. (a), (b), (c), (e) of the World Rankings Competition definition and for any performance submitted for World Athletics Technical Rules ratification as a World Record.



TTC-1090
WindSpeed II
Contoller



TTC-310
WindSpeed II

When the time is running, each athlete will try to perform at its best to break his/her record. But what if the athlete's ultimate dream suddenly would be shattered by a drifting wind speed measurement caused by anemometers having rotating mechanical parts (propellers, paddle wheels,...)?

Let us remind you of the cream of Track & Field, the sprint races, hereby breaking a record vitally depends on whether the athlete had the illicit benefit of a tail wind of more than 2.0 m/s or not. When exceeding this limit, a possible record will not be officially acknowledged and ratified. In long jump and triple jump as well, the precise wind velocity has more than once been a topic of discussion and controversy. Well, now this has changed!

WindSpeed II is an innovative tool that guarantees perfectionism: no more moving and rotating mechanical parts, but a secure and dependable electronic system which renders accurate wind speed indication on scoreboard or display unit.

Moreover, WindSpeed II can easily be integrated in the TimeTronics' Argus and MacFinish photo finish system. WindSpeed II undeniably wipes out the disadvantages of the former systems which generally make use of a rotating paddle wheel. These rotating mechanical parts are generally subject to wear, variable friction. Moreover, after a blast of wind has abruptly come to a standstill or has changed in direction, the paddle wheel erroneously keeps on turning. Due to this, read-outs of the average wind velocity will be too high. No need to argue; the athlete was the dupe!

WindSpeed I was the first commercial wind-gauge for athletics which specifically applies the principle of electronic and sonic wind speed measurement. Now the WindSpeed II is the successor based on the same principle but in a new housing and new design.

A sonic wave is sent from a minuscule loudspeaker (LS) to a tiny microphone (Mic), both of which are housed in the measuring arm. Sound travels through the surrounding air at a speed of about 341 m/s.

By measuring and registering the difference in speed between the sonic waves that are travelling along with the wind and the ones which are travelling against it, we can very accurately determine the wind velocity.

TTC-435 Optional
Triple Sided WindSpeed
Scoreboard



TTC-432 Optional
WindSpeed Scoreboard

Disclaimer:

- *All pictures shown are for illustration purposes only, actual product may vary.*
- *TimeTronics cannot be held liable for possible errors in this document.*
- *All specifications and descriptions provided herein are indicative and may be different from the actual specifications and descriptions for the delivered product.*

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