



ATHLETICS

Windspeed WS2



The ALGE-TIMING Windspeed WS2 works with a calorimetric mass flow sensor, which allows fast and accurate wind measurement.

The “miniaturized calorimetric mass flow sensor” has excellent dynamics. Based on the small involved masses of the sensors and the environment thermally influenced for the measurement, time constants in the range below 1 ms can be achieved without difficulty, depending on the type of media used.

The optimal design of the wind sensors and the fast response time for a measurement ensure that no wind changes can occur between the measurements and that measurements below 1 m/s are possible. For a measurement in track and field, up to 13 seconds are measured. The more measurements are made during this time, the more accurate the average value over this period will be.

The WS2 does not need any re-calibration since no mechanical parts are used. The components retain their characteristics over the entire service life, and there are no disturbances caused by humidity or temperature fluctuations.

The WS2 can be connected to the Timy3 W terminal via cable or radio. In the radio solution, the Timy3 W has a built-in radio and the Wireless Timing Network WTN-WS is required on the anemometer side. The WS2, as well as the scoreboard, can be connected here.



Anemometer WS2

for measuring the wind speed during running races and long jump



Timy3 W Terminal

The Timy3 W can be used to operate the anemometer and to display the wind speed. It also allows one to connect the ALGE-TIMING photo finish OPTIc3 and operate the anemometer remotely. With the WTN-WS, the system can also be operated without cables.

In addition, the Timy3 W can also be used as a timing device for training purposes, or as a concentration clock.



Wireless Network WTN-WS

With the WTN-WS, the anemometer and the wind display board can be operated via radio connection.



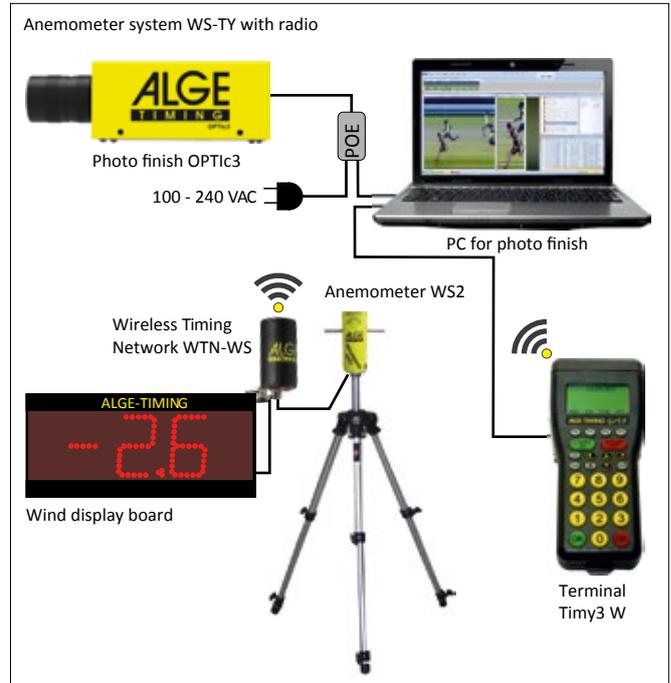
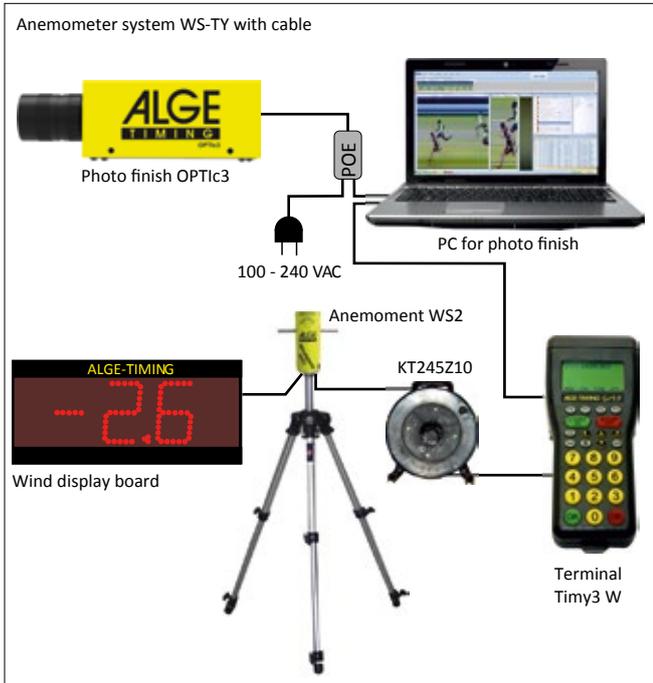
Cable Reel KT245Z10

100 m cable for connecting the anemometer WS2 with the Timy3 W terminal



Tripod TRI128

The anemometer is placed on the tripod and an intermediate adapter in order to reach the prescribed measuring height of 1.22 m.



The display board makes the wind speed visible to the athletes and the audience. There are display boards with different technologies and digit heights.

Sets for the Anemometer

Anemometer WS2-TY

- anemometer WS2
- Timy3 W terminal
- tripod TRI128
- tripod adapter
- cable reel KT245Z10 (100 m cable)

Anemometer WS2-W

- anemometer WS2
- Timy3 W Terminal
- wireless Timing Network WTN-WS
- tripod TRI128
- tripod adapter

Optional accessories

- case with foam insert
- display board
- terminal Timy3 WP with printer