



General

The sensor for measuring wind speed and wind direction, models WE750 and WE755 are two of the most common instruments used in the meteorological field. This sensors are also used in agriculture, industry and environment protection.

In consideration of the weather condition those instrument are used in, it was put a great attention to their development

The wind speed sensor WE750 produced in plastic material, consist of a three cup rotor, that produces a sine wave voltage signal with a frequency that changes linearly with the wind speed. The frequency is transformed into a 4-20 mA sensor signal output.

The wind direction sensor WE750 also produced in plastic material, consist of a vane that produces an output signal (4-20 mA) corresponding to a 0-360° angle of the wind direction.

Since has this sensor an electrical output, it can be easily read by any data acquisition system produced by SIM:

- A. MINILOG data acquisition system
- B. NATUN data acquisition system
- C. DATAVIEW read out unit

Applications

Agriculture, meteorology, environment protection, etc.

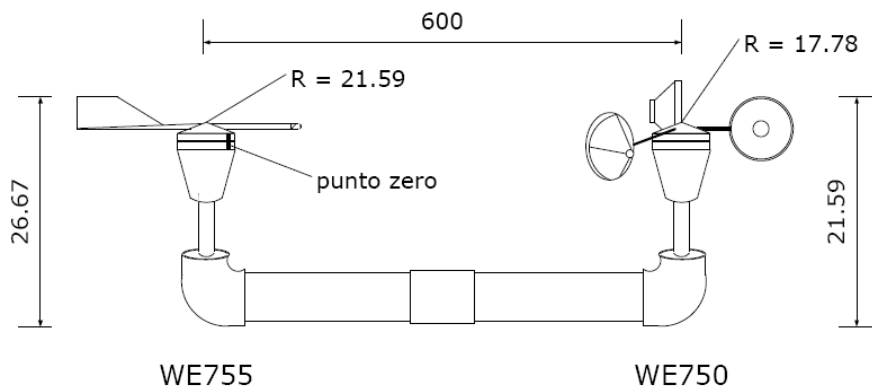
Simple to operate and install

UV protected

4-20 mA Output



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per la geotecnica
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Technical features

Model	WE750
Supply	10-36 Vcc
Output	4-20 mA
Range	0-50 m/s
Precision	0.2 m/s
Consumption	as output
Warm up	3 sec
Operating temperature	-40÷+55 °C
Dimensions	Ø 178 x 216 mm
Weight	0.450 Kg.

Model	WE755
Supply	10-36 Vcc
Output	4-20 mA
Range	0-360°
Precision	1% FS
Consumption	as output
Warm up	3 sec
Operating temperature	-40÷+55 °C
Dimensions	Ø 216 x 267 mm
Weight	0.450 Kg.

Accessories & spare parts

WE750 - AX - MW01	Puncheon
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WE750_EN ED01/07



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