

- Heated. It works under -20°C with ice
- Suitable for meteorological applications
- Heavy-duty wind sensor featuring superior mechanical resistance
- Working range from 2 to 200km/h
- Pulses output
- High quality bearings
- No maintenance required

Wind sensor for high mechanical strength and flexibility. Compete in quality with the best sensors on the market, plastic or metal. Pulse outputs, frequency proportional to wind speed.

24Vdc powered heater. Designed to work from 20 ° C below zero with weather conditions of snow and ice.

Incorporates stainless steel bearings. Built in high quality engineering plastic.

APPLICATIONS

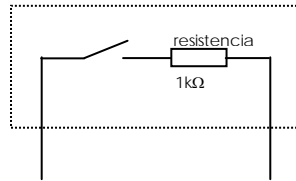
Any application where it is required to know the wind speed under low temperature weather conditions (-20 ° C) in the presence of ice or snow. Valid for both industrial and domestic applications: cranes, solar panels, wind turbines, weather stations ...

You can connect a tachometer displays (see our ref. TCA-200R/TCA-201R, P-WM44, WM44-DRM, large display "BS"), programmable logic controllers (PLCs) and other systems, to display the wind speed and / or to activate preset alarms.

WORKING

INPUT / OUTPUT

It supports wind speeds up to 200 km/h. The output is a voltage-free contact with a series resistance which opens and closes at a frequency directly proportional to the wind speed (see graph)

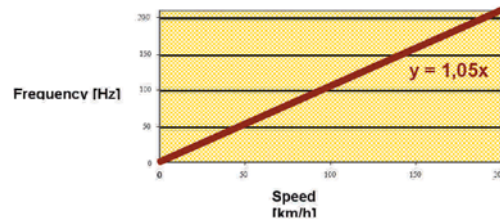


WIND SPEED RATIO-OUTPUT

Frequency output proportional to the wind speed.

Wind speed = 0Km / h → out Anemo4H25 = 0Hz.

Wind speed = 100km / h = 105 → out Anemo4H25 Hz (pulses per second)

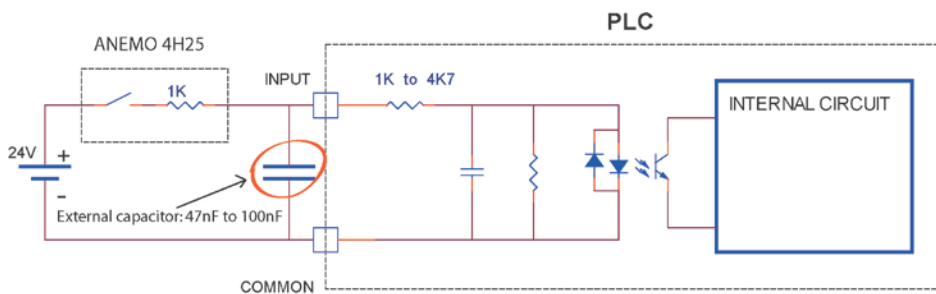


TECHNICAL SPECIFICATIONS

Power supply	12 Vdc	IP	IP65
Max Intensity	15mA	Warehouse temperature	-35°C +85°C
Heater supply	12Vdc 2.8A	Working temperature	-20°C +60°C
Range	2-200Km/h	Weight	170gr
Accuracy	± 2%	Weight with 20 m cable	1.290gr

CONNECTION EXAMPLES

Connection to a PLC :



PLCs: Between input signal and the COMMON INPUT, connect a capacitor between 47nF and 100nF.

The Anemo4H25 signal may be fed from the controller itself out if you have 12/24Vdc. The heater must be powered from a 12Vdc source and at least 35W.

Connection to WM44-P or TCA200R :

