ANEMOSCOPE ANTC_D2.2

Main Features

- Advanced wind vane anemoscope with analog signal output.
- Magnetic sensor.
- Power supply: 10-30 Vdc.
- Aluminun.
- Up to 200 km/h wind speedEasy connection.

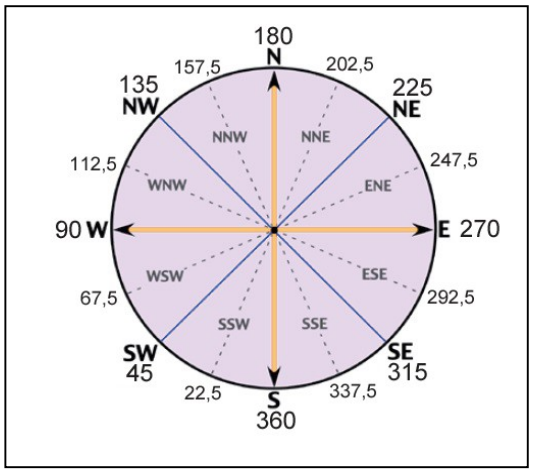
Advanced wind vane anemoscope with a robust, compact and modern design. Made of aluminum and high technical quality. Resistant to water, dust and UV rays.

The wind direction sensor ANTC_D2.2 has been designed for industrial applications. Connected to devices such as data acquisition systems, PLCs, analogue signal displays that measure the wind direction, they record and / or activate predefined alarm levels. Examples of use: irrigation control systems, automation in greenhouses, solar trackers, ski resort lifts, cranes, wind turbines, climatic and meteorological stations.

Operation

INPUTS / OUTPUTS

- Up to 200 km/h wind speed
- Power supply: 10 - 30 Vdc
- Outut: Analog = 4-20 mA
  (see the table below)



Wind speed graphic report with analog output 4-20 mA

Direction	Angle (*)	Analog output
South-Southwest	22.5	19 mA
Southwest	45.0	18 mA
West – southwest	67.5	17 mA
West	90.0	16 mA
West – Northwest	112.5	15 mA
Northwest	135.0	14 mA
North – Northwest	157.5	13 mA
North	180.0	12 mA
North – Northeast	202.5	11 mA
Northeast	225.0	10 mA
East-Northeast	247.5	9 mA
East	270.0	8 mA
East - Southeast	292.5	7 mA
Southeast	315.0	6 mA
South-Southeast	337.5	5 mA
South	360.0	4 mA
Static wind	If the wind speed is less than or equal to 3km/h the angle will not be certain.	

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Wiring 4-20mA		
Type of connection	**Function**	**Pin**
3 wires – positive / negative / output signal	V+	4
	V-	1
	Output signal	3
	Free	2
	Free	E

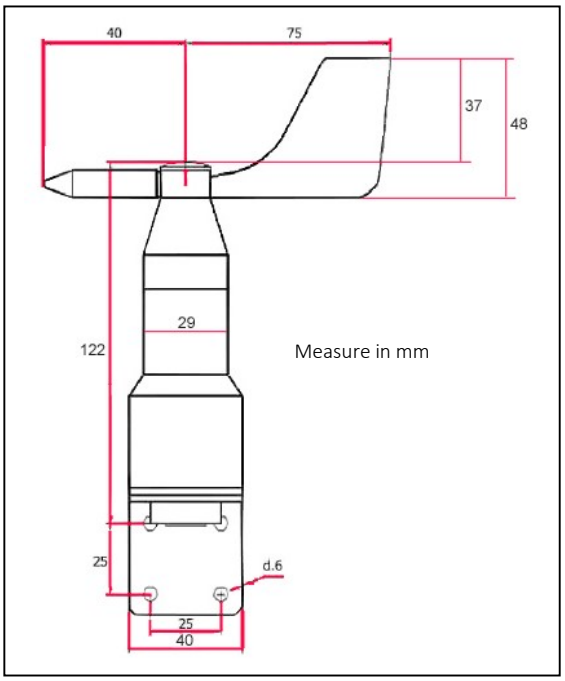
The wind vane must be oriented towards NORTH and its output signal corresponding to 12 mA will conform to the angles and directions of the board.

Wind vane orientation:

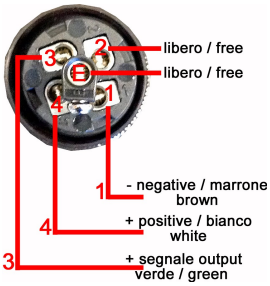
To orient the wind vane towards NORTH, align the fixing bracket perpendicular to the NORTH.

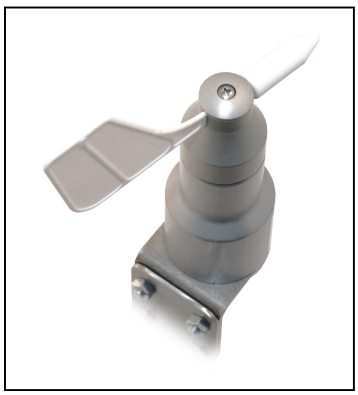
Technical Features

Power supply	10 - 30 Vdc
Analog output	4 -20 mA
Starting speed	3 km/h
Measuration field	0 ~ 360°
Resolution	0,5°
Accuracy	± 1%
Load impedance connectable	Equal less than 500 ohms
Storage temperature	From -40° C to +125° C
Operating temperature (free of ice)	From -20° C to + 85° C
Weight	300 g approx.



Connector M12 5 PIN





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