ANEMO 4403 2.0

FREQUENCY OUTPUT

ANEMOMETER sensor for measuring wind speed

- **Robust, reliable, suitable for heavy duty industrial use in extreme conditions**
- **Range of use 2-200km/h**
- **Stainless steel bearings**
- **Body made of special plastic**
- **Resistant to UV rays and acid rain**
- **Watertight connector for quick replacement**
- **Cable already connected with tight output**

APPLICATION

The Anemometer ANEMO 4403 has been specifically designed for industrial applications such as:

Cranes and Mobile Cranes
Buildings and general structures
Photovoltaic solar trackers
Weather Stations
Irrigation systems
Automated greenhouses
Cable cars for ski plants
Cannons snow
Telescopic cranes
Platforms self-mounting
Structures for playgrounds
Ornamental fountains
Pressostatic structures
Highway tunnels and viaducts

It can be connected through the various outputs available depending on the model directly to PLC and / or board electronic market, speedometer as **WM44P** product of our range.

It is produced in the following versions:

- Frequency output with 2,5 meters of cable cast from the bottom
- Frequency output with connector screw

CONEC G1430

Nuova CEVA Automation. Via G.B. Signini 43. Briga Novarese (NO) ITALY Tel. +39 0322 93574 Fax +39 0322 953787 info@nuovaceva.it
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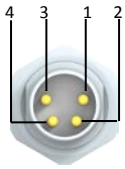
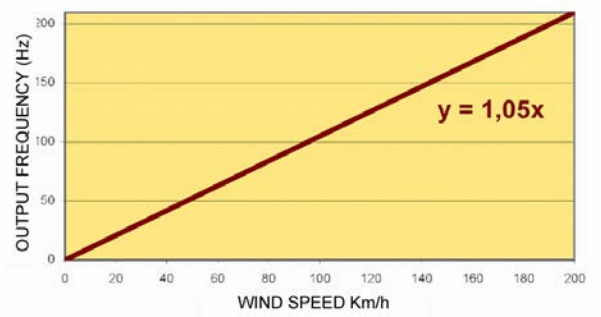
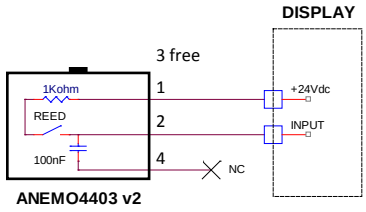
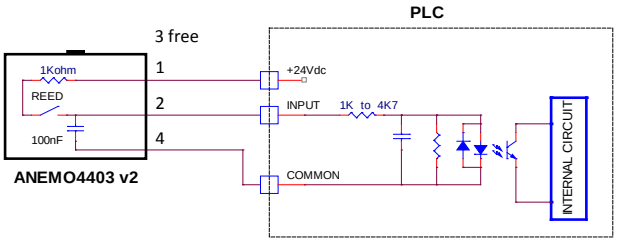
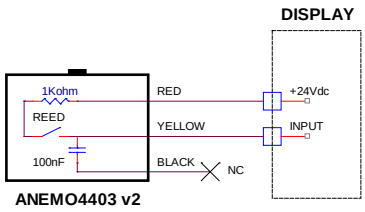
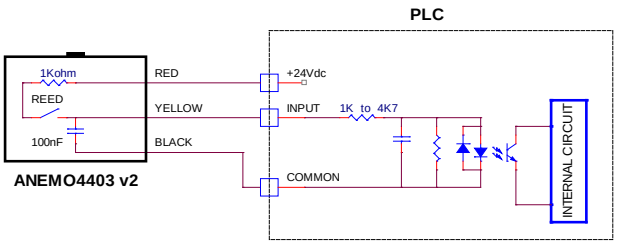
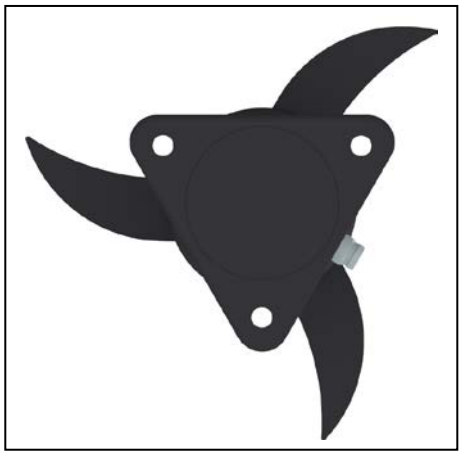
ANEMO 4403 2.0 FREQUENCY OUTPUT

OPERATION

Model	Input/Output	Operation	Graphic
ANEMO4403_2.0_CONN Model with connector  With cable connected the colours will be: Pin 1 – Brown Pin 2 – Black Pin 3 – Free Pin 4 – Grey  	200Km/h wind speed maximum Input: power supply 5-24 Vdc Output: Reed contact with serial resistor that switch with proportional frequency / wind speed (see graphic). It incorporates a capacitor which can be connected optionally to the signal filtering.	Wind speed / output relation. Wind speed = 0Km/h → Output ANEMO4403 = 0 Hz. Wind speed = 100Km/h → Output ANEMO4403 = 105 Hz (pulse per second).	
	Example 2 wire connection (the number are the pin connector):  WM44P		Example 3 wire connection (the number are the pin connector): 
ANEMO4403_2.0_2,5 Model with cable cast 	Example 2 wire connection:  		Example 3 wire connection: 



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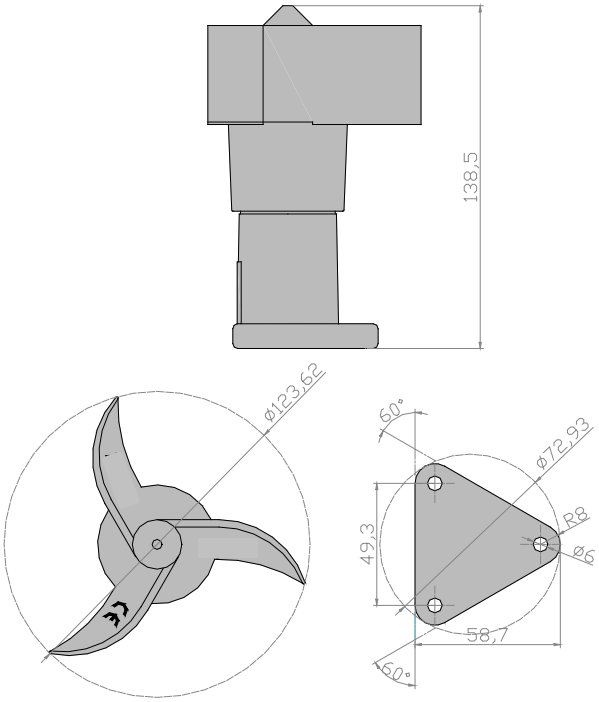
MECHANICAL & ELECTRICAL FEATURES



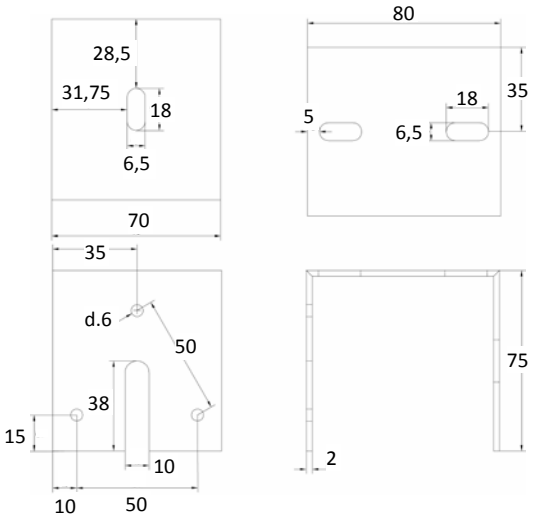
The anemometer consists of a plastic rotor impact-resistant and to UV rays, at low temperatures and hail. Rotating on ball bearings, drives a magnetic contact, generating 4 pulses per revolution.

- degree of protection of IP65
- operating temperature -20° + 70°C
- storage temperature -35° + 85°C
- overall dimensions given on the side
- weight 155 g without cable
- Measuring range from 2 to 200 km/h
- Precision +- 2%
- Linearity +- 2%

Items	ANEMO4403_2.0_CONN	ANEMO4403_2.0_2,5
Power supply	from 5 to 24 Vdc	from 5 to 24 Vdc
Output Signal	Frequency – 1,05 Hz / Km/h	Frequency – 1,05 Hz / Km/h
Current/Consumption	15 mA	15 mA
Electrical range measuring	2-200 Km/h	2-200 Km/h
Load Impedance Recommended	from 1K to 4K7 ohm	from 1K to 4K7 ohm
Connector	Yes	No
Cable	Normal PVC 2 / 3 pole 0,5 / 1 sq mm	connected

OPTIONAL

STAINLESS
STEEL SUPPORT



ANEMO4H25 – Anemometer Heated

WM44P – Display

WM44SS

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