ANEMO4403 V3 PULSES OUTPUT

ANEMO V3 range of IED Electronics.
Wind speed sensor designed for different industries and sectors.

ANEMO4403 V3 PULSES OUTPUT has a pulses output proportional to the wind speed given by a reed switch. In this way, the power supply just needs to be enough to detect the contact closing and opening, reducing the power consumption.

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*For other references, please contact us.
APPLICATIONS

ANEMO4403 V3 have been designed to be used in industrial applications: cranes, solar panels, buildings, wind turbines, weather stations...

It is usually connected to speed sensors such as tachometers (see references WM44-EVO, WM44-P V3, WM44-DRM V3), PLCs or data loggers to display the wind speed and/or set alarms to predefined values or to obtain records during predefined periods of time.

DIMENSIONS

OPERATION

Outputs/Inputs

Up to 180 km/h of wind speed

Output: Dry reed contact, with a series resistance which switches with a frequency proportional to the wind speed (see graphic). It includes an internal capacitor that can be used as a signal filter. The wind sensor must be fixed on a vertical position.

WIND SPEED / OUTPUT RATIO

The wind speed is given by the function: Speed (km/h) = 0.8*Hz +3

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TECHNICAL SPECIFICATIONS

Electrical features

Power supply: 3...24 Vdc

Maximum current: 24 mA

Output: Frequency (pulses)

Type of contact: reed

Measurements

Range: 3-180 km/h

Starting speed: 8 km/h

Survival speed: 200 km/h

Accuracy: 1 km/h (3-15 km/h)

3% (15-180 km/h)

Speed-Hz ratio: Speed (km/h) = 0.8*Hz +3

General features

Material: PA + FG

Bearings: Stainless steel X65Cr13

Type of connection: See references (back cover)

Weight (with a 20m cable): 1420 g

Weight (without cable): 130 g

Dimensions: 125x139 mm

Storage temperature: -35 ºC - +80 ºC

Working temperature without ice: -20 ºC - +80 ºC

EMC: EN 61000-6-2:2001

EN 55022:2001, Class B

Protection: IP65 (UNE 20324:1993)

CONNECTION EXAMPLES

2-wire connection to a display

3-wire connection to WM44-P V3 display

3-wire connection to a PLC

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