

Anemometer PCE-WSAC 50W 24



PCE-WSAC 50W 24 **Anemometer**

Radio Wind Warning System / Wind Monitoring on Construction Cranes / 4 ... 20-mA analog output / Power supply 110 ... 230V AC or +24V DC

The anemometer PCE-WSAC 50W is primarily used to measure and monitor the wind load on cranes or wind turbines. Furthermore, the wind situation can be measured and analyzed before commissioning a wind turbine. The anemometer PCE-WSAC 50W is equipped with alarm relay for a pre-alarm or main alarm.

Due to the high measuring range of up to 50 m / s of the anemometer, stormy gusts can also be monitored. The radio range of the anemometer is in the open field up to 750 m / 2500 ft in the free frequency band of 2.4 GHz. When installing the display of the wind alarm PCE-WSAC 50W in buildings, a range of up to 60 m / 200 ft can be achieved for the wind sensor. Due to the integrated 4 ... 20-mA analogue output of the wind alarm display, the measured data can also be transferred to other controllers for evaluation.

- ▶ Robust plastic housing
- ▶ Units: km / h, mph, m / s
- ▶ 4 ... 20-mA analog output
- ▶ 128 x 64 pixel LC display
- ▶ Alarm relay
- ▶ Measuring range up to 180 km / h
- ▶ Durable stainless steel ball bearings
- ▶ Ambient temperature -20 ... 70°C / -4 ... 158°F
- Radio transmission

Subject to change

Specifications

Display of anemometer PCE-WSAC 50W 24

Entrance	Pulse, analog (4 ... 20-mA) or radio
Radio	IEEE 802.15.4 ISM 2.4 GHz
Units	km / h, mph, m / s
Power supply for sensors	+15V DC
Analog output	4 ... 20-mA
Maximum input impedance	500 Ω
Resolution of the analog output	10 bits
Accuracy of the analog output	± 1.5%
Alarm relay	Max. 250V AC, 8 A
Display	Backlit 128 x 64 pixel LC display
Casing	Robust plastic housing
Protection class	IP65
Dimensions	145 x 95 x 125 mm / 5.7 x 3.7 x 4.9 in
Weight	650 g / 1.4 lbs

Sensor of anemometer PCE-WSAC 50W

Measuring range	4 ... 180 km / h
Minimum start speed	8 km / h
Accuracy	± 1 km / h in the range 4 ... 15 km / h ± 3% in the range 16 ... 180 km / h
Power supply	Battery mono cell D 1.5V DC
Power consumption	Approx. 0.3 W with 1.5V DC power supply
Housing material	PA + FG
Ball-bearing	Stainless steel X65Cr13
Holder	Stainless steel AISI 304
Weight (with standard bracket)	About 680 g / 1.5 lbs
Weight with self-leveling bracket	About 900 g / 2 lbs
Dimensions	320 x 110 x 100 mm / 12.6 x 4.3 x 3.9 in
Storage temperature	-35 ... 70°C / -31 ... 158°F
Ambient temperature	-20 ... 70°C / -4 ... 158°F
Protection	IP65

Subject to change