

# AIR FLOW MEASUREMENT WIND SPEED METER

## PCE-WSAC 50W SERIES

### Radio transmission / Power supply 110 ... 230V AC or +24V DC

Wind Speed Meter PCE-WSAC 50W 230 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 Wind Speed Meter PCE-WSAC 50W 230 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 anemometer PCE-WSAC 50W 230 in buildings, a range of up to 60 m / 200 ft can be achieved for the wind sensor.

### ISO cal option

- » 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



## APPLICATION



## TECHNICAL SPECIFICATIONS

### Display of the Wind Speed Meter PCE-WSAC 50W 230

Input	Pulse, analog (4 ... 20-mA) or radio
Radio	<b>IEEE 802.15.4 ISM 2.4 GHz</b>
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 the Wind Speed Meter PCE-WSAC 50W 230

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
Geicht 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

Models:

**PCE-WSAC 50W 24**  
**PCE-WSAC 50W 230**

Supply voltage: **24 V DC**  
Supply voltage: **110 ... 230 V AC , 50 / 60 H**



Subject to changewithout notice