

WEATHER STATION

PCE-FWS 20N



- » **Software for analyzing the stored data**
- » **Backlit 7 inch touch screen**
- » **Weather forecast function**
- » **Automatic time setting thanks to DCF**
- » **Adjustable alarms when the measured value is exceeded**
- » **Wind direction and wind speed**
- » **Temperature and humidity display**
- » **Solar panel on the outdoor unit to the supply**

This wireless weather station is a true all-rounder that leaves little to be desired. Whether at home or in the office, the wireless weather station will delight the operator with its versatility. This weather station allows accurate recording of wind direction, wind force, temperature, relative humidity and rainfall. This is just a small selection of the possibilities this weather station offers. In addition, the operator has the possibility to activate various alarm functions on the wireless weather station (wind speed, air pressure, ...). With the help of the values displayed on the weather station, the user can, amongst other things, decide which clothes are appropriate, or whether the garden must be watered, and much more. The weather data is sent up to 100 meters by radio signal to the main station.

The wireless weather station is equipped with the latest technology in weather analysis. The transmitter is powered by a solar panel and the batteries. With the newly developed touch screen display, the weather data can be easily accessed directly from the wireless weather station by simply tapping on the display. With the USB interface and the included USB cable, the weather data can be transmitted directly from the wireless weather station to a PC or laptop. These data are all provided with a time / date stamp in order to be able to assign them even after a longer period of time. Here the weather data can be stored indefinitely.

Specification

Absolute pressure	
Measuring range	300 ... 1100 hPa
Resolution	0,1 hPa
Accuracy	±3 hPa
Speed	
Measuring range	0 ... 5 m/s
Resolution	0.1 m/s
Accuracy	±1 m/s
Speed	
Measuring range	5,1 ... 50 m/s
Resolution	0.1 m/s
Accuracy	±10 %
Air pressure	
Measuring range	300 ... 1100 hPa
Resolution	0,1 hPa
Accuracy	±3 hPa
Precipitation	
Measuring range	0 ... 1000 mm
Resolution	0,3 mm
Accuracy	±6%
Precipitation	
Measuring range	1001 ... 9999 mm
Resolution	1 mm
Accuracy	±6%
Relative humidity	
Measuring range	1 ... 99 %
Resolution	1 %
Relative humidity sensor	
Measuring range	20 ... 80 % RH
Resolution	1 % RH
Accuracy	±4%
Relative humidity sensor	
Measuring range	1 ... 99 % RH
Resolution	0,1 % RH
Accuracy	±6 % beyond 20 ... 80%
Temperature	
Measuring range	0 ... 50 °C
Resolution	0,1 °C

General technical data	
Measuring functions	ALARM
Frequency	868 ... 868 MHz
Display type	LCD
Display size	7 Inch
Display refresh rate	1 x per second
Measuring rate	48 s
Storage medium	Internal memory
Storage capacity	4080 Data records
Memory capacity (additional information)	Ring memory
Storage interval from	5 s
Storage interval to	240 min.
Interface	USB-A
Operating time	2 Year(s)
Operating time additional information	Display: min. 12 months Outdoor unit: min. 24 months
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Dimensions	Display: Length 230 mm Width 150 mm Height 35mm
Menu language	English, English (GB)
Protection class (device)	IP X3, IP44
(Rechargeable) battery	5 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Operating conditions	-40 ... 60 °C , 1 ... 99 % RH
Storage conditions	-40 ... 60 °C , 1 ... 99 % RH
Dimensions (L x W x H)	410 x 120 x 200 mm
Weight	713 g

Temperature sensor

Measuring range -40 ... +60 °C

Resolution 0,1 °C

Accuracy $\pm 1^{\circ}\text{C}$