

PCE-FWS 20

Radio Weather St. with Touchscreen, Solar Cell, 5 Sensors

- interior / exterior temp, interior / exterior humidity, air pressure, absolute or relative air pressure, precipitation, wind velocity, wind direction, wind chill & dew point
- weather forecast, tendency indication and storm warning
- programmable alarm functions for different weather conditions as well as storage of minimum and maximum values of the received weather data
- power supply of the transmitter by means of rechargeable battery and solar cell
- LED backlight / radio clock with 12 or 24 hours indication



TECHNICAL SPECIFICATIONS

Meas. range	wind velocity: 0 ... 180 km/h
Accuracy	wind direction: 0 ... 360 ° temp. in: 0 ... +60 °C, ±0.3 °C / out: -40 ... +65 °C, ±0.2 °C relative humidity: 1 ... 99 % RH, ±3 % RH air pressure: 919 ... 1080 hPa, ±0.25 hPa rain: 0 ... 9999 mm, ±0.3 mm at 5 mm
Calculated values	dew point, wind chill
Radio range	max. 100 m in the open air
Interface	USB
Alarm	adjustable for all parameters (min. and max.)
Display	touchscreen LCD
Power supply	3 x 1.5 V batt. (display) / 2 x rech. batt. and solar cell (transmitter)
Dimensions	230 x 150 mm (display)

INCLUDES

Main station with touchscreen, sensors for temperature, humidity, rain, wind velocity and direction, weather mast, USB cable, software, instruction manual

ITEM NO. ITEM

K-PCE-FWS 20 radio weather station



PCE-WL 1

Data Logger for Wind Velocity with SD Card

- internal temperature sensor and internal real-time clock
- RS-232 interface for configuration
- compact wind sensor with heater
- saves data to SD card as csv file
- saves average and maximum values



TOP
seller

TECHNICAL SPECIFICATIONS

Data logger	Wind sensor
Accuracy	Output
Memory	Meas. range
Power supply	Accuracy
Operating cond.	Load
Inputs	Contact load
Interface	Heater
File format	Assembly
Sampling rate	Operating cond.
Case	Cable
Protection class	Protection class
Dimensions	Dimensions
Weight	Weight

INCLUDES

Data logger, wind sensor, mounting bracket, batteries, 2 GB SD memory card, instruction manual

ITEM NO. ITEM

K-PCE-WL 1 wind data logger

OPTIONAL ACCESSORIES

K-PCE-WLD 06.12 display RS-232
K-PCE-KWG1 small wind transmitter with pulse output
K-PCE-KWR1 wind direction sensor with potentiometer output

PCE-WL 3 System

GPRS Logger for Wind Velocity and Wind Direction

- protection due to different seals / metal alloy / long life of wind sensors
- direct measurement of wind direction / measurement even possible if wind is low
- data logger function via GPRS / remote access to inputs and outputs
- SMS alarm to up to 10 numbers



TECHNICAL SPECIFICATIONS

Wind velocity sensor PCE-FST-200-201

Meas. range	0.5 m/s ... 50 m/s
Accuracy	±0.5 m/s (<5 m/s)
	±3 % f. s. (≥5 m/s)
Max. velocity	70 m/s at max. 30 min
Output signal	4 ... 20mA (PCE-FST-200-201-I)
Operating voltage	12 ... 36 V dc
Operating conditions	-20 ... +85 °C at ≤ 95 % RH
Electr. connection	M12
Protection class	IP 65

Wind direction sensor PCE-FST-200-202

Meas. range	0 ... 360°
Resolution	22.5°
Accuracy	±3°
Meas. possible from	≤0.8 m/s
Max. velocity	70 m/s at max. 30 min
Output signal	4 ... 20mA (PCE-FST-200-202-I)
Electr. resistance	250 Ω
Operating voltage	12 ... 36 V dc
Electr. connection	M12
Protection class	IP 65

GPRS data logger

Analogue outputs	4 x
Edition	4 ... 20 mA or 0 ... 5 V
GPRS frequency	quad band (900 / 1800 / 850 / 1900 MHz)
SIM card	mini SIM card 1.8 V and 3 V
Memory	256 kB (approx. 1000 values)
Interface	RS-232
Power supply	12 ... 24 V dc (max. 150 mA / Ø 50 mA)
Operating conditions	-30 ... +70 °C / 0 ... 95 % RH
Dimensions / weight	130 x 80 x 25 mm / 370 g

INCLUDES

GPRS logger, velocity sensor, wind direction sensor, SIM card holder, mains adaptor, RS-232 cable, aerial, software (English), instruction manual

ITEM NO.	ITEM
K-PCE-FST-200-201-I	velocity 4- 20 mA
K-PCE-FST-200-202-I	direction 4- 20 mA
K-PCE-GPRS 2	GPRS data logger

PCE-KWG1

Wind Transm. w. Pulse Outp. & Heater

- wind transmitter with integrated heater
- simple assembly
- 3 m connection cable
- suitable for PCE-WL 1 / 2



TECHNICAL SPECIFICATIONS

Meas. range	0.9 ... 40 m/s
Output	0 ... 100 Hz
Accuracy	±0.5 m/s or 5 % of reading
Load	max. 60 m/s short-term
Contact load	10 VA, max. 42 V dc, max. 0.4 A
Assembly	with mounting bracket
Heater	max. 24 V dc / ac, max. 1 A
Operating conditions	-25 ... +60 °C (ice free)
Cable	3 m; LiYY 4 x 0.5 mm ²
Protection class	IP 54
Dimensions	Ø 134 x 160 mm
Weight	ca. 300 g

INCLUDES

Small wind transmitter, data sheet

ITEM NO.	ITEM
K-PCE-KWG1	wind sensor

OPTIONAL ACCESSORIES

K-IFMA-0035	frequency / analogue transducer
K-IFMA-0065	frequency / analogue transducer