

The Tekneka WS400E 7-in-1 weather monitoring station has a self-emptying rain collection for detecting Rainfall, a UV Index, Light Intensity, an Anemometer, a Wind Vane, and Temperature and Humidity sensors. Up to 150 meters away, it uses a low-power radio frequency to transmit data to the console. Additionally, it analyzes the data for your ease of viewing, showing rainfall as a percentage of total rainfall, as well as daily, weekly, and monthly records and various degrees of wind speed. Various helpful readings are also included, including feels like Wind-Chill, Heat Index, Dew Point, and Comfort Level. For the purpose intended, this station is a genuinely amazing personal professional weather station with an integrated radio-controlled and atomic clock feature.

Features

- Easy to keep an eye on both interior and outdoor weather conditions
- Wireless data transmission with an estimated operational range of 150 meters
- Gives absolute and relative barometric pressure values
- It has a UV index, a light intensity index, and a weather index
- Rainfall rate measured on a daily, weekly, monthly, and total basis
- Hourly history records over the previous 24 hours are easily recalled
- Indoor temperature and humidity are measured, and the comfort level and dew point are indicated
- Displays the maximum and minimum values for all parameters along with the precise time and date
- Hi/Lo alert with flashing amber LED indication (inside and outdoor temperature, wind speed, and rainfall)
- LCD backlights blink automatically for any system alerts and alarms
- Users can understand by indications of wireless signal strength, wind blowing direction, weather forecasting, temperature and humidity trend indicators, and comfort zone indication
- Clock mode operates at 868MHz frequency for EU and UK regions (in all other countries, the users can manually set the clock mode)



Applications

The WS400E is extensively utilized in various settings such as farms and agricultural teams, construction companies, meteorological agencies, educational institutions, the manufacturing sectors, environment organizations, research institutes, event organizing companies, museums & historical sites, and sports facilities.

Weather Transmitter Specifications

Outdoor Measurement	Range	Resolution	Accuracy
Temperature	-40 to 60°C	0.1°C	±0.5°C (5 to 40°C)
			±1°C (-20 to 5°C)
			±1.5°C (-40 to -20°C)
Humidity	1 to 99%RH	1%	±6.5% RH (1 to 20%RH)
			±3.5% RH (21 to 80%RH)
			±6.5% RH (81 to 90%RH)
Rainfall Gauge	0 to 9999mm (0 to 393.7")	0.4mm (0.0157)	±7% or 1 tip
Wind Speed	0 to 50m/s,	0.1m/s	±6%, (0 to 5m/s) ±0.5m/s
	0 to 112mph	0.1mph	±6%, (0 to 11.1) ±1.1mph
	0 to 180km/h	0.1km/h	±6%, (0 to 18) ±1.8km/h
	0 to 97knots	0.1knots	±6%, (0 to 9.7) ±0.9knots
UV Index	0 to 16	0.1	-
Light Intensity	0 to 200Klux	lux, fc and W/m ²	-
Wind Direction	16 points	-	-

Weather Monitoring Receiver Specifications

Indoor Measurement	Range	Resolution	Accuracy
Temperature	-5 to 50°C	0.1°C	±1°C (0 to 40°C) ±2°C (>40 ±1°C)
Humidity	20 to 90%RH	1%	±8%RH (20 to 40%RH), @ 25°C
			±5%RH (41 to 70%RH), @ 25°C
			±8%RH (71 to 90%RH), @ 25°C
Barometer	540 to 1100hPa	1hPa	±5hPa (700 to 1100hPa), others ±8hPa
	15.95 to 32.48inHg	0.01inHg	±0.15inHg (20.67 to 32.48inHg), others ±0.24inHg
	405 to 825mmHg	0.1mmHg	±3.8mmHg (525 to 825mmHg), others ±6mmHg
Dew-point (calculated)	-40°C to 60°C		

General Specifications

Support Sensor	Wireless 7-in-1 sensor (Wind Speed, Wind Direction, Rain Gauge, Thermo-Hygro, UVI, Light)
RF Frequency	868MHz
RF Transmission Range	150m
Data Refresh	12 seconds
Atomic Clock Synchronization	Auto or Disable
RCC Time Signal	DCF or MSF (base on the country version)
Clock Display	HH:MM:SS/Weekday
Hour Format	12/24hr
Calender	DD/MM
Weekday Language	7 (EN/FR/DE/ES/IT/NL/RU)
Power Supply	6 x 1.5V AA batteries
Dimensions (W x H x D)	Receiving Console: 118 x 192.5 x 21mm (excluded table stand)/Transmitter: 343.5 x 393.5 x 136mm
Weight	Receiver: 374g/Transmitter: 757g (with batteries)

Packing Includes

- Mounting Pole
- Mounting Base
- Mounting Clamp
- 6 x 1.5V AA Batteries
- Bolt & Nut Kit
- User Manual



Ordering Info

WS400E..... 7-in-1 Weather Monitoring Station