

## WTH600-KIT Wireless Weather Station Kit



Extech's Weather Station helps you plan your day-to-day outdoor activities that may be affected by weather conditions including businesses involved with construction, agriculture, and recreation. The WTH600-KIT includes an indoor Wireless Base Station with a large LCD displaying indoor Temperature, Humidity, and outdoor weather conditions, plus date and time. It also comes with an outdoor Wireless Transmitter with 5 built-in sensors, including a self-emptying rain collector for measuring rainfall, wind cups for wind speed, wind vane for wind direction, and temperature and humidity sensors. It sends data by a low power radio frequency to the Base Station up to 450ft (150m) away. The kit comes assembled for easy installation.



### Indoor Base Station Features

- Weather Forecast displays Sunny, Partially Cloudy, Cloudy, Rainy, Stormy, or Snowy condition
- Barometric pressure in Relative or Absolute readings
- Displays Rain Rate, Daily, Weekly, Monthly and Total Rainfall measurement (in inches or millimeters)
- Historical bar chart display for rainfall (past 5 days) or pressure changes (1, 3, 6, 12, 24 hours)
- Measures Indoor Temperature and Humidity and indicates comfort level and dew-point
- Max/Min readings with time-date stamps
- Hourly records for the past 24 hours
- Hi/Lo alert setting (indoor & outdoor temperature, wind-speed, and rainfall)
- Flashing Amber LED indicator for Hi/Lo Alert warning
- Amber LED backlight
  - Low battery indicator for sensor and main unit
  - Signal strength indication for sensor
- Clock display with date and weekday (5 languages : EN / DE / FR / IT/ ES)
- Clock alarm function and Ice-Alert

### Outdoor Transmitter Features

- Outdoor weatherproof (IP67) transmitter with 5 built-in sensors measuring Wind Speed, Wind Direction, Rainfall, Temperature, and Humidity
- Long-range transmission up to 450ft (150m) between Outdoor Wireless Transmitter and Indoor Base Station
- Measures Gust or Average Wind Speed in (mph, m/s, km/h, knots)

### WTH600-KIT Features

- Operates at 915MHz; FCC approved
- Comes with one Base Station with 3 AA batteries and one Transmitter with 3 AA batteries

*NOTE: This product operates at 915MHz for North America only*

### Ordering

WTH600-KIT ..... Wireless Weather Station Kit (one each - Base Station and Transmitter)

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UPC Code: 7939504416003

Wireless Indoor Base Station Specifications	Range	Max Resolution	Basic Accuracy
Temperature	-40 to 158°F (-40 to 70°C)	0.1°	±2°F (±1°C)
Relative Humidity	20 to 90%RH	1%RH	±5%RH
Barometer	15.95 to 32.48 inHg	0.01 inHg	±0.12 inHg
	405 to 825 mmHg	0.1 mmHg	±3 mmHg
	540 to 1100 hPa	1hPa	±4 hPa
Dew Point (Calculated)	-40 to 158°F (-40 to 70°C)	0.1°	
Weather forecast	Sunny / Clear, slightly Cloudy, Cloudy, Rainy, Rainy / Stormy and Snowy		
Radio Controlled Atomic Clock			
Synchronization	Auto or disabled		
Clock display	HH:MM:SS / Weekday		
Hour format	12hr AM/PM or 24hr		
Calendar	MM/DD		
Languages (weekday)	EN, FR, DE, ES, IT		
Time signal	WWVB		
Time zones	PST, MST, CST, EST, AST, NST		
DST (daylight savings)	AUTO / OFF		
Frequency	915 MHz (North American)		
Wireless Outdoor Transmitter Specifications	Range	Max Resolution	Basic Accuracy
Temperature	-40 to 176°F (-40 to 80°C)	0.1°	±1.0°F (±0.5°C)
Relative Humidity	1 to 99%RH	1%RH	±3%RH
Wind Speed			
m/s (meters per second)	0 to 50m/s	0.1m/s	±6%
km/h (kilometers per hour)	0 to 180km/h	0.1km/h	±6%
MPH (miles per hour)	0 to 112MPH	0.1MPH	±6%
knots (nautical miles per hour)	0 to 97 knots	0.1knots	±6%
Wind Direction	16 points		
Weather Index			
Wind Chill	-40~158°F (-40~70°C)	0.1°	±1°F (±2°C)
Heat Index	78.8~122°F (26~50°C)	0.1°	
Rain Gauge	0 to 393.7" (0 to 9999mm)	0.0157" (0.4mm)	±7% or 1 tip (whichever is greater)
Dimensions	Indoor Base Station: 4.7 x 7.5 x 0.9" (120 x 190 x 22 mm); Outdoor Transmitter: 13.5 x 15.5 x 5.5" (343.5 x 393.5 x 136 mm)		
Weight	Indoor Base Station: 13.1 oz. (370g) with batteries; Outdoor Transmitter: 23.7 oz. (673g) with batteries		

# Mouser Electronics

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