

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
- Completes 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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| 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 | | |