

Touch Screen weather Station



Solar powered Sensors

Wireless Transmission between the sensors and console

Maximum distance 100 mts without any obstacles

The professional touch-screen weather station is designed for easy everyday use. The indoor base unit displays important current weather information from the outdoor sensors. The weather center comes with an easy to set-up outdoor solar sensor suite, which includes mounting brackets and poles. Once assembled this can be positioned in your garden or on your roof for optimum meteorological readings.

Base Station Features:

- TOUCH-SCREEN Display
- USB Connection to PC
- Data Storage (Main Unit 4080 Files, PC unlimited)
- Indoor and outdoor temperature display in degrees Fahrenheit or Celsius (user selectable)
- Indoor and outdoor relative humidity displays
- Barometric pressure reading in inHg or hPa, absolute or relative (user selectable)

- Detailed display of rainfall data in 1 hour, 24 hours, one week, one month and total since last reset. (user selectable in mm or inch)
- Wind direction
- Wind speed in mph, km/h, m/s, knots (user selectable)
- Wind chill temperature display
- Dew point temperature display
- Weather forecast display by weather icons (sunny, cloudy, rainy)
- Weather forecast tendency arrow
- Storm warning alarm
- Display of extensive weather data, in all cases with programmable alarm functions for certain weather conditions as well as records of all minimum and maximum values along with time and date of their recordings
- Super bright green LED back light
- WWVB Radio controlled time and date with manual setting option
- 12 or 24 hour time display
- Perpetual calendar
- Time zone setting
- Automatic daylight saving time function
- Wall hanging or free standing
- Synchronized instant reception for outdoor weather data as well as radio controlled time signal (no cable needed)

Setting Modes

- Time Zone Setting
- DST on/off
- 12/24 hour format
- Manual time setting (hours/minutes)
- Calendar setting (month /date/ year, weekday will be calculated thus no need to set weekday)
- Temperature display unit degree Celsius or Fahrenheit
- Wind speed and gust display units in km/h, mph, m/s, knots, bft
- Rainfall display units in mm or inch
- Air pressure display units in hPa or inHg
- Relative pressure setting from 919.0hPa – 1080.0hPa (default 1013.2hPa)
- Pressure threshold setting (default 2hPa)
- Storm threshold setting (default 4hPa)

Alarm Modes

- Time alarm (at low alarm setting mode, the same time alarm setting sequence will repeat)
- Indoor humidity high alarm
- Indoor temperature high alarm
- Outdoor humidity high alarm
- Outdoor temperature high alarm
- Wind chill high alarm
- Dew point high alarm
- Pressure high alarm
- Wind speed high alarm
- Gust speed high alarm
- 1Hour rain high alarm
- 12. 24 hour rain high alarm
- Indoor humidity low alarm
- Indoor temperature low alarm

- Outdoor humidity low alarm
- Outdoor temperature low alarm
- Wind chill low alarm
- Dew point low alarm
- Pressure low alarm

Min/Max Mode

- Indoor humidity min/max
- Indoor temperature min/max
- Outdoor humidity min/max
- Outdoor temperature min/max
- Wind chill temperature min/max
- Dew point temperature min/max
- Pressure min/max
- Wind speed max
- Gust speed max
- 1 hour rain max
- 24 hour rain max
- Week rainfall max
- Month rainfall max

Specifications:

Outdoor data

Transmission distance in open field: 150 meter maximum (330 feet)

Temperature range: -40°C to 65°C (-40°F to 149°F)

Resolution: 0.1°C

Measuring range RH: 1% - 99%

Rain volume display: 0 - 9999mm

Resolution: 0.1mm (if rain volume < 1000mm) / 1mm (if rain volume > 1000mm)

Wind speed: 0~180km/h (0~100mph)

Measuring interval thermo-hygro sensor: 48 sec

Indoor data

Pressure / temperature: 48 sec

Indoor temperature measure range: 0°C to 50°C (32°F to 122°F)

Resolution: 0.1°C

Measuring range RH: 1% - 99% Resolution: %

Measuring range air pressure: 919hPa – 1080hPa

Resolution/Accuracy: 0.1hPa / 1.5hPa

Alarm duration: 120 sec

Power consumption

Base station: 3XAA 1.5V LR6 Alkaline batteries

Size:

Base station: 230 x 150mm

Weather-Mast (mounted): 660 x 540mm

