

LOW COST WEATHER STATION

WH1090

Low Cost USB Weather Station

60m Wireless Technology

Indoor & Outdoor Temperature

Relative Humidity Measurement

Wind Speed & Wind Direction

Measure Rainfall & Atmospheric Pressure

www.signatrol.com

INTRODUCTION

The WH1090 is a complete entry level weather station. The system comprises of the external sensors to measure outside temperature, relative humidity, wind speed, wind direction, atmospheric pressure and rainfall. All measured parameters are displayed on the large touch screen display.

The large LCD touch screen makes the operation of the unit incredibly simple and allows comprehensive adjustment and correction for your location. The WH1090 requires no connecting cable between the console and the remote weather transmitting sensors, with a typical sensor range of 60m (200ft). The time and date are synchronised to the atomic clock in Germany, which can be received in UK, so the time is always right. It can also display historical data. All measured parameters are available in either metric or imperial values.

Included is a Windows based software programme that allows you to link your display console to your computer via the USB lead which is supplied with the weather station. The software allows you to download stored data and then display it in a graphical format. The readings are also stored in a database format for keeping your own weather history.

This weather station offers amazing value and comes with everything you need to set it up at home or in the office. All hardware is included and the only items you need to supply are 5 x AA batteries to power the base unit and external sensor suite. A short mounting pole is provided which can be connected to a fence post or TV aerial pole (not supplied)

The system comprises large 12 x 17.5 x 3 cm LCD control panel, wind speed sensor, wind direction sensor, rain gauge, outside temperature sensor & transmitter, stub mast, sensor mounting arms, sensor cable harness, USB lead and PC software.



Specification	
Outdoor temperature range	-40.0 °C to + 65.0 °C (-40 °F to +149 °F)
Indoor temperature range	0 °C to + 50.0 °C (32 °F to +122 °F)
Humidity range	10% to 99% (1% resolution)
Rain volume display	0 - 9999mm (show OFL if outside range) Resolution : 0.1mm (if rain volume < 1000mm) 1.0mm (if rain volume > 1000mm)
Wind speed	0-100mph (show OFL if outside range)
Measuring range air pressure	27.13inHg - 31.89inHg Resolution : 0.01inHg
Transmission range	Up to 100m (330 feet)
Power consumption	a) Receiver: 3 x AA alkaline batteries (not included) b) Sensor WH7: 2 x AA alkaline batteries (not included)
Transmission frequency	868MHz

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Features

Touch screen LCD display console

USB port for easy connectio to your PC

All the weather data from the base station and weather history data with user adjustable measuring intervals can be recorded and uploaded to your PC

Free PC software for transfer weather data to PC

Rainfall data (inches or millimeters): 1-hour, 24-hour,one week,one month and total since last reset.

Wind chill and Dew point temperature display (°F or °C)

Records min. and max. wind chill and Dew point with time and date stamp

Wind speed (mph, m/s, km/h, knots, Beaufort)

Wind direction display with LCD compass

Weather forecast tendency arrow

Weather alarm modes for: a) Temperature b) Humidity c) Wind chill d) Dew point e) Rainfall f) Wind speed g) Air pressure h) Storm warning

Forecast icons based on changing barometric pressure

Barometric pressure (inHg or hPa) with 0.1hPa resolution

Wireless outdoor and indoor humidity (% RH)

Records min. and max. humidity with time and date stamp

Wireless outdoor and indoor temperature (°F or °C)

Records min. and max. temperature with time and date stamp

Receive and displays the radio controlled time and date

12 or 24-hour time display

Perpetual calendar

Time zone setting

High light LED backlight

Synchronized instant reception

Low power consumption (over 2 years battery life for transmitter)

ORDER CODE

WH1090 Low Cost Weather Station - Complete with all sensors and LCD console

SOFTWARE

EasyWeather Operating Software (Free from website)