

TP2700WC

DATA SHEET

Professional Weather Station

Features

- Plug and Play Easy setup and operation
- 48 sec data update, instantaneous average and peak
- Inside and Outside Temperature and Humidity
- Solar Insolation and UV Index Measurement
- Wind Speed and Direction Including Average and Gust
- Wind Chill and Dew Point Temperature Display
- Barometric Pressure with last 12hr history
- Rain Gauge with Last Hour, Day, Week, Month or Total
- RCC Clock, Moon Phase and Weather Forecast
- Built-in Data Logging for 4080 Readings: Unlimited with PC
- Settable Alarms and Resettable Min/Max History
- User Programmable Calibration Factors
- Up to 330 Ft (100m) Wireless Range Between Transmitter and Base Station
- Solar Powered Transmitter with 2 AA Rechargeable Batteries
- Free WeatherSmart Windows Software with WeatherUnderground Upload

Applications

- Weather Tracking and Forecasting
- Solar Insolation Site Survey Measure how much sun power is available at a particular site
- Wind Turbine Site Survey Record wind speed at site over time to determine available true wind power
- Remote Temperature and Humidity Monitoring

Description

The ProWeatherStation[™] is a high performance wireless data logging weather station with advanced sensor technology resulting in good accuracy at a low cost. It provides instantaneous and historical data on Inside and Outside Temperature and Humidity, Wind Speed (average and gust), Wind Direction, Solar Intensity and UV Index, Barometric Pressure and Rainfall. The backlit base station logs 4080 data points with adjustable (16 second minimum) sample interval. There is a memory meter on the display that shows when the memory is getting full so the data can be downloaded and archived to a computer thru the built in USB port and included WeatherSmart software. The WeatherSmart software also allows for uploading real-time data to WeatherUnderground.

The unit has a radio controlled clock (WWVB) for improved accuracy. The Base Station runs on 3 AA Alkaline or Lithium batteries and can be mounted up to 100m (330 feet) away from the transmitter/sensor array. To extend battery life the Base Station can also be powered through USB (included) or a 5V AC Adapter (sold separately). The transmitter/sensor array is solar powered and with 2 AA rechargeable batteries it will run for many years so there are no worries with mounting the array on top of a building or tower.

The ProWeatherStation[™] comes with an advanced solar powered sensor array (anemometer, direction meter, temp/humidity sensor, rain gauge, 0.8"OD x 22.5" (20mm OD x 571mm) stainless mounting pole), wireless base station/display, USB cable for connection to a PC, WeatherSmart software and pipe clamps for mounting the sensor array to a mast. Note: 3 AA alkaline or Lithium batteries are required but not included.





ProWeatherStation™



ProWeatherStation

Specifications

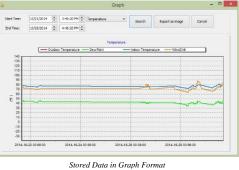
Display Ranges Wind Speed 0-112 MPH (0-50m/s) Accuracy: +/- 11% (c10 m/s) +/- 10% (s10 m/s) Displays in mph, m/s, km/h, knots or Beaufort Outdoor Temperature 0 to 65°C (-40 to 149°F) 0.1°C resolution Displays in °C or °F Accuracy: +/-1°C Indoor Temperature 0 to 65°C (-40 to 149°F) 0.1°C resolution Displays in °C or °F Accuracy: +/-1°C Humidity 1% to 95% (1% resolution) Base 0-1000 mm (34 inches) 0.1°m resolution (<1000mm) 0-99998 mm or inches flour, day, week, month or total) 8.85 to 32.5 inHg 0.01inHg resolution (<1000mm) Barometric Pressure 0-300,000 lux Within range 27.13 to 31.89 inHg Accuracy: +/-3 hpa Wind Direction LCD Compass 22.5° resolution Light Measurement 9-300,000 lux Wind Survivability 200 km/h (125 mph) Construction Uv resistant white thermoplastic and stainless mounting pole Batteries Solar Powered Rechargeable AA Batteries (included) Mounting Pole mount using 2 stainless pole clamps Base Station Specs Setup Base Station or Computer 3 type AA LR6 Alkaine (not included) gives 1 year battery life. To extend battery life. Base Station can also be powered wind Su software with WeatherUnderground uplad Mounting Pole mount using 2 stainless solation can also be powered wind Gust sparatel	opeemeations			
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System Ordering TP2700WC Data Logging Wireless Solar Weather Station	Warranty	1 Year		
	System Ordering	TP2700WC Data Logging Wireless Solar Weather Station		

WeatherSmart Software

5	WeatherSmart	
system Record Upload Help		
Pressure	Wind	
Relative Pressure	Wind Speed	
Current Max Min	Current: 0.0 mph Max 49.4 mph	
26.15 inHg (30.02 inHg) (25.49 inHg)	Gust	
Absolute Pressure	Current 0.0 mph Max 70.9 mph	
25.59 mHz 25.56 mHz 25.03 mHz	Bardal	
	Day Rainfall	
ndeor & Ouldeor	Current Nac 1	
ndoor Temperature	0.00 inch (0.22 inch)	, 5 ,
Current Max Min	Week Rainfall	
77.9 °F (89.1 °F) -11.9 °F	4	Temperature
ndeor Humidity	Current: Max: 2 -	Indoor Outdoor
arrent Nas Ne	(0.01 inch) (0.37 inch 0	140140
23 % (61 %) (1 %)	Konth Rainfall	131 - 131 -
	Gurrent Nac 1	122- 122- 122- 113 -
Outdoor Temperature	0.74 inch 0.74 inch 3	704 104
turent Max: Min: 82.2 ml (95.7 ml 49.8 ml	Year Rainfall	95 - 95 -
82.2 17) (95.7 17) 49.8 17)	- P -	77 - 77 -
Outdoor Humidity	Carrent Max 4 -	60
turrent Max Min	(0.74 inch) (0.74 inch)	50 50
22% (89%) [12%)	LightEUVI	- 41 - 41 -
lewPoint & WindChill & Heatindex	Light Carnet: 60.98 Wtrf Max (811.08 W/arf	32
3ewPoint		- 14- 14-
Lurrent Wax Win	UVI	5- 5-
39.7 F (79.3 F) (31.1 F	Current: 0 Max 13	-44-
WindChill	Heatindez	-22
Current 82.2 °F Win: 41.0 °F	Current: (82.2 °F) Max: 110.3 °F	-3131 -
MR (410 H	Mac 110.5 P	

Main EasyWeather Screen

Import of the second second





For further information contact:

Tyconsystems.com

14641 S 800 W Ste A Bluffdale, UT 84065 PH: 801-432-0003 FAX: 801-618-4220