

# Introducing the **ULTIMETER®** Weather Stations with **WeatherText™**

Peet Bros. Company, Inc. is pleased to announce the latest innovations in our world-class weather stations:

**ULTIMETER® 100** with **WeatherText™**

**ULTIMETER® 800** with **WeatherText™**

**ULTIMETER® 2100** with **WeatherText™**

The **ULTIMETER®** Weather Stations with **WeatherText™** still utilize Peet Bros.' patented and proven weather sensor technology, including our unique all-digital wind sensor, but they now provide the data output features you've asked us for - and a few you might not have thought of!



## What is **WeatherText™**?

**WeatherText™** is an RS-232 serial data output mode in which the instrument puts out one human-readable (text) Weather Report each minute. Unlike a proprietary hexadecimal data packet which requires application software to decode, the WeatherText™ report is the ultimate in weather data portability.

The serial text output is viewed on the monitor of a PC using terminal software such as HyperTerminal (located on your Windows PC at Start/Programs/Accessories/Communications/HyperTerminal), or transmitted as a data packet which requires no application software at the receiving end to decode the data. The text output may be "captured" and saved as a .txt file for later viewing or printout.

**WeatherText™ Tools** (available IIQ '05) is a Windows PC application which enhances the capabilities of WeatherText™:

**WeatherText™ Data Logger:** a data acquisition tool which generates and archives log files of weather data in two convenient file formats: .txt (for convenient viewing using word processor or IE) and .csv (for instant analysis, charting, and graphing on Microsoft Excel or other spreadsheet program)

**WeatherText™ Internet:** an FTP utility which transfers the WeatherText™ reports to a web server at scheduled intervals (in both .txt and .csv file formats).

**WeatherText™ Mail:** an email application which automatically sends WeatherText™ reports to selected email addresses at scheduled intervals. Share critical weather data from your **ULTIMETER®** with personal contacts, weather bureau, or Emergency Management Agency.

Each **WeatherText™ One-Minute Report** includes all current values, plus the highest wind speed over the past five minutes with the associated wind direction, the average wind speed over the last minute, the 3-hour barometric pressure change, today's and long-term rainfall, today's highs and lows, and current time and date. In addition, each time a key combo is pressed, a comprehensive **WeatherText™ Complete History Report** is output (contains highs and lows for the previous 7 days plus long-term).

Following is a sample of the **WeatherText™** One-Minute Report:

```
ULTIMETER WEATHER REPORT 01/17/05 09:32A
Wind:      Cur   8.0MPH 180Deg, 1mAvg  4.6MPH,  5mPeak  9.8MPH 176Deg
           Hi   9.9MPH 188Deg
wChill:    Cur  75.7F, Lo  75.6F
Temp Out:  Cur  75.7F, Hi  75.7F, Lo  75.6F
Temp In:   Cur  76.4F, Hi  76.6F, Lo  76.3F
Hum Out:   Cur  65.6%, Hi  65.9%, Lo  65.6%
Baro:      Cur  29.93inHg, Hi  29.94inHg, Lo  29.93inHg, 3hr chg  +0.0inHg
Dewpt:     Cur  63.6F
Heatx:     Cur  77.0F
Rain:      Today  0.21in, since 01/01/05:  2.57in
```

Following is a sample of the **WeatherText™** Complete History Report:

ULTIMETER COMPLETE HISTORY REPORT

wind		Hi		Lo	Chill
02/03/05	19.2MPH	354Deg	12:00A,	80.5F	12:00A
02/02/05	37.9MPH	27Deg	11:59P,	38.1F	11:59P
02/01/05	11.0MPH	34Deg	12:00A,	48.4F	12:00A
01/31/05	34.3MPH	13Deg	11:59P,	48.4F	11:59P
01/30/05	26.1MPH	270Deg	11:59P,	72.4F	12:00A
01/29/05	23.3MPH	263Deg	11:59P,	54.4F	12:00A
01/28/05	29.7MPH	246Deg	11:59P,	44.5F	12:00A
01/27/05	19.7MPH	180Deg	11:59P,	1.7F	10:27P
Long Trm	37.9MPH	27Deg	02/02/05	11:59P	
Long Trm	Lo Chill	-4.0F	01/01/05	12:01A	

Temp	Out	Hi	Out	Lo	In	Hi	In	Lo
02/03/05	80.5F	12:00A,	80.5F	12:00A,	73.6F	10:39P,	73.5F	12:00A
02/02/05	80.5F	11:59P,	45.1F	11:59P,	73.6F	12:00A,	73.5F	12:00A
02/01/05	79.7F	11:59P,	48.4F	12:00A,	73.6F	11:59P,	73.4F	12:00A
01/31/05	77.3F	12:01A,	48.4F	11:59P,	73.4F	11:59P,	73.3F	12:00A
01/30/05	72.5F	11:59P,	72.4F	12:00A,	73.3F	11:59P,	73.2F	12:00A
01/29/05	72.4F	11:59P,	54.4F	12:00A,	73.2F	11:59P,	73.0F	12:00A
01/28/05	54.4F	11:59P,	44.5F	12:00A,	73.0F	11:59P,	72.8F	12:00A
01/27/05	44.6F	11:58P,	1.7F	10:27P,	78.3F	11:33A,	72.1F	10:16P
Long trm	Out Hi	80.5F	02/02/05	11:59P,	Lo	-4.0F	01/01/05	12:01A
Long trm	In Hi	78.7F	01/01/05	11:59P,	Lo	70.3F	02/01/05	08:04A

Humidity	Out	Hi	Out	Lo	In	Hi	In	Lo
02/03/05	26.9%	10:41P,	26.8%	12:00A,	49.1%	12:00A,	38.3%	12:00A
02/02/05	85.2%	11:59P,	26.8%	11:59P,	49.1%	12:00A,	38.3%	12:00A
02/01/05	28.7%	11:59P,	28.6%	12:00A,	49.1%	12:00A,	38.3%	12:00A
01/31/05	89.3%	12:00A,	8.5%	12:00A,	49.1%	12:00A,	38.3%	12:00A
01/30/05	89.3%	11:59P,	18.9%	12:00A,	49.1%	12:00A,	38.3%	12:00A
01/29/05	18.9%	11:59P,	18.2%	12:00A,	49.1%	12:00A,	38.3%	12:00A
01/28/05	80.1%	11:59P,	18.2%	11:59P,	49.1%	12:00A,	38.3%	12:00A
01/27/05	46.2%	10:27P,	45.8%	10:29P,	49.1%	12:00A,	38.3%	12:00A
Long trm	Out Hi	93.4%	01/27/05	01:52A,	Lo	8.5%	01/31/05	12:00A
Long trm	In Hi	49.1%	01/01/05	01:52A,	Lo	38.3%	01/01/05	12:00A

Barometer		Hi		Lo		
02/03/05	29.98inHg	12:00A,	29.98inHg	10:39P		
02/02/05	29.98inHg	12:00A,	29.98inHg	12:00A		
02/01/05	29.98inHg	12:00A,	29.98inHg	12:00A		
01/31/05	29.98inHg	12:00A,	29.98inHg	12:00A		
01/30/05	29.98inHg	12:00A,	29.98inHg	12:00A		
01/29/05	29.98inHg	12:00A,	29.98inHg	12:00A		
01/28/05	29.98inHg	12:00A,	29.98inHg	12:00A		
01/27/05	30.12inHg	09:11A,	29.97inHg	04:45P		
Long trm	Hi	30.25inHg	01/28/05	09:15P,		
			Lo	29.89inHg	01/30/05	02:43P

Rain	
02/03/05	0.00in
02/02/05	0.17in
02/01/05	0.22in
01/31/05	0.00in
01/30/05	0.12in
01/29/05	0.37in
01/28/05	0.04in
01/27/05	0.03in
Long trm	Since 01/01/05
	0.95in