

# Pegasus-FLX FlyAway Kit™

A Portable Capricorn FLX™ Weather Station



When weather monitoring is critical, the **Pegasus-FLX Portable Weather Station** offers a complete weather monitoring solution for portable operations. For research, HazMat, pollution control, and other environmental monitoring requirements, the Pegasus FLX's wind sensor offers two-degree wind direction resolution and up to 160 mph wind speed range.

Standard sensors include wind speed and direction, temperature, barometric pressure and humidity. (Solar radiation and rainfall sensors optional.)

Use Weather Master™ software to calculate dew point, heat index, wind chill, density altitude and automatically integrate weather data into Cameo/Aloha HazMat software.

***Call or email for a free quotation!***

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## Specifications

**Temperature:** Digital semiconductor  
Accuracy:  $\pm 0.9^\circ\text{F}$  from  $+14^\circ$  to  $185^\circ\text{F}$   
 $\pm 3.6^\circ\text{F}$  from  $-55^\circ$  to  $257^\circ\text{F}$   
Resolution:  $0.01^\circ\text{F}$

**Barometric Pressure:** MEMS technology; temperature compensated and calibrated  
Accuracy:  $\pm 0.03$  in. Hg over range  
Range: 14.8 to 32.5 in. Hg  
Resolution:  $0.01$  in. Hg

**Wind Speed:** Sealed reed switch  
Accuracy:  $\pm 0.25$  mph from 0 to 23 mph,  $\pm 1\%$  from 24 to 160 mph  
Range: 0 to 160 mph (139 knots)  
Resolution: 1 mph  
Starting Threshold: 0.9 mph

**Wind Direction:** Precision Potentiometer  
Resolution: 2 degrees  
Range: 0 to 360 degrees  
Accuracy:  $\pm 4$  degrees

**Relative Humidity:** Capacitance  
Accuracy:  $\pm 3\%$  (or better) from 10 to 90% RH  
Temperature Effect:  $< \pm 1.5\%$  RH  
Stability:  $\pm 2\%$  RH over 2 years  
Reporting Resolution: 1% RH

**Rainfall** (Optional): Tipping bucket  
Accuracy:  $\pm 1\%$  at 2 in./hr or less  
Resolution: 0.01 inch

## System Details

**Tripod Sensor Mast:** Made of powder coated heavy-gauge steel for added protection against the elements. The mast has three removable legs with locking pins. Telescoping extension elevates to 10 feet overall maximum height. Includes: Guy-wire ring collar, guy-wires, grounding stakes, compass for north orientation, and heavy duty canvas transportation bag.

**Weatherproof Enclosure:** Houses the Control Module, internal barometer, and 2.4 GHz wireless transceivers. All sensor cables and power cords have external weatherproof quick connectors for rapid set up and take down under austere conditions. Sensor mast mounting hardware included.

**Transportation Case:** Rugged polyethylene carrying case with roller wheels. Foam padded interior protects sensitive equipment. Keeps all components in a constant state of readiness.

**Battery Power System with Charger:** Two 12 volt sealed lead acid (SLA) gel batteries. Quick-charging battery system keeps a fresh battery in supply. Batteries come with a plastic carrying case to protect against weather elements and contaminants.

**Weather Display Console:** LCD touch-screen displays weather data with two configuration screens - all measured and calculated weather parameters, wind rose, daily max/min data and 24-hour trend graphs. (19" rack mount available)

**2.4 GHz Wireless Transceivers:** Gives the system remote capability within two (2) mile line-of-sight range. FCC approved and license free.



OR



**WeatherMaster™:** Professional-grade software specifically designed to operate with Pegasus and integrate weather data into other software packages, such as Cameo/Aloha. Capable of networking multiple weather stations with one centralized computer. Multiple alarm features alert user to critical weather parameters.

## Order Info *Call or email for a quotation!*

Pegasus-FLX Standard System Includes:

- Capricorn FLX™ Control Module with digital barometer, wireless transceiver, and battery power cable
- Weatherproof enclosure with quick-connect sensor plug-in jacks
- Temperature probe with waterproof cable connector
- Relative humidity sensor with waterproof cable connector
- Self-aspirating radiation shield for temperature and humidity sensors
- Wind speed and direction sensor with quick-connect mounting hardware
- Two 2.4 GHz wireless transceivers - two mile range
- Sealed gel battery system with charger
- 10-ft tripod with telescoping mast, tiedown kit, compass, and mounting hardware plus heavy-duty canvas tote
- Heavy-duty polyethylene transportation case - foam lined with external wheels
- Optional rain gauge

Monitoring Options Include:

- WeatherMaster™ Software
- Weather Display Console

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