

WeatherPak®

Rapidly Deployable Weather Station



WeatherPak is easy to deploy

• WeatherPak is designed for

Deployable in less than one

• Integration of meteorological

data with gas sensor readings

rugged environments and rough

and simple to use

handling

minute

WeatherPak portable weather stations are professional quality instruments designed to be rapidly deployed near the hot-zone with no tools required for assembly. The WeatherPak measures wind speed, wind direction, temperature, humidity, and barometric pressure. The embedded RAELink modem automatically communicates in real-time with a PC based host controller running ProRAE Guardian Software. The WeatherPak's rugged design meets military grade standards and can be used in harshest environments.

Durable

- Built of Mil-Spec grade aluminum, which is extremely rugged and resistant to corrosion
- Water immersible (for decontamination, etc.)
- 18 hrs continuous run-time from nine "D" cell alkaline batteries located in the Tripod

APPLICATIONS

- Hazardous Material Response
- Oil & Gas Fence Line Monitoring
- Civil Defense
- Environmental
- Industrial Safety

KEY FEATURES

Versatile

- Automatically updates PlumeRAE software through ProRAE Guardian — Real-Time integration of wind data and stability class
- Measures wind speed and direction, air temperature, humidity and barometric pressure (includes option for solar radiation)

Easy to Use

- Can be deployed by single person wearing protective gear without using tools
- Self-Aligning Electronic Compass preset for specific regions



WeatherPak®

Rapidly Deployable Weather Station



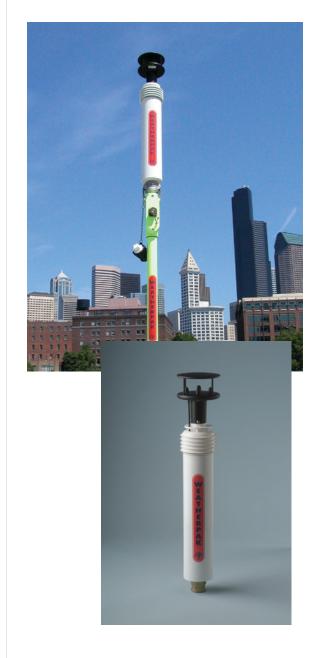
SPECIFICATIONS

Sensors

Ultrasonic Wind Monitor	
Wind Speed	Range: 0 to 60 m/s (130 mph) Survival: 100 m/s (220 mph) Start Speed: 0.01 m/s (0.02 mph)
Wind Direction	Range: 360° (No dead band) Survival: 100 m/s (220 mph) Threshold: 0.01 m/s (0.02 mph)
Temperature/Relative Humidity	
Operational Range	-4° C to 50° C (-40° F to 122° F)
Accuracy	±0.2° C over full range (0.36° F)
Resolution	0.5° C (1.0° F)
Barometric Pressure	
Operational Range	-50°C to +60°C
Accuracy	0.2 hPa at 25°C 0.3 hPa from -50°C to 60°C
Resolution	0.1 hPa reported
Compass	
Accuracy	±1.0°
Resolution	1°
Tilt Limit	±45°
Wireless	
Transmission Frequency	ISM 900MHz
Transmission Distance	2 miles (3km)
Mechanical	
Size	4" x 22.5" (10.3 cm x 57.2 cm) (base unit without wind monitor)
Weight	8 lbs (3.6 kg) (base unit without wind monitor)
Carry Weight	ABS Carry Case with WeatherPak: 24 lbs. (10.9 Kg) Canvas Tripod Bag: 30 lbs. (13.6 Kg)
Material	6061-T6 aluminum, 316SS hardware, O-Ring sealed Mil-Spec connector, thermo plastic resin coated
Set-up Time	60 seconds, from carry case to full operation
Environmental The WeatherPak meets or exceeds exposure to the following environmental tests per MIL-STD-810D as follows:	
Temperature	Operation from -40° C to 70° C (-40° F to 160° F)
Pressure	Operation from 800 to 1100 mBar
Humidity	10 day exposure with 100% RH

20 inches per hour

Survival of 6 ft drop



CORPORATE HEADQUARTERS

*Specifications are subject change

RAE Systems by Honeywell

3775 North First Street San Jose, CA 95134 USA raesales@raesystems.com

WORLDWIDE SALES OFFICES

 USA/Canada
 1.877.723.2878

 Europe
 +45.86.52.51.55

 Middle East
 +00971.4.440.5949

 China
 +86.10.5885.8788-3000

 Asia Pacific
 +852.2669.0828



Tollfree in Western Canada: 1-888-388-1592 microwatt.com • mwsales@microwatt.com

Rain

Shock/Vibration