

C-5 SAM™ Weather Command

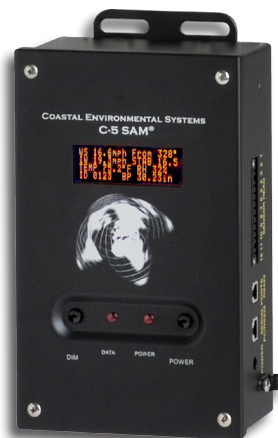
Professional Quality and Affordability Built for Emergency Responders

The C-5 SAM™ Hazmat Response Weather Station is a rugged, professional quality, yet affordable, weather station—designed for professional Emergency Responders.

If you respond to a limited number of hazmat calls, have a low potential for a truly catastrophic spill, or are seeking a professional grade weather station on a limited budget, then the C-5 SAM™ is the right weather station for you.

The C-5 SAM™:

- Automatically updates CAMEO®/ ALOHA®.
- Employs professional grade sensors and electronic components that are designed for use in demanding environments.
- Is designed to operate reliably in electrically “noisy” environments, such as hazmat, or other emergency response scenes. The C-5 SAM™ is immune to radio frequency noise and electrostatic discharge interference.
- Is used by hundreds of professional emergency response teams worldwide.



For more information, contact your Coastal representative:
(800) 488-8291

C-5 SAM™ FEATURES

- **Automatically Updates ALOHA® Plume Model** by computing five-minute running averages and "Wind Stability" calculation.
- **Heavy-Duty Sensor Head and Mount** constructed of "non-sparking" 6061-T6 aluminum.
- **A Unique Signal Generator** converts corruptible analog signals into digital signals at the sensor head, protecting data from electronic noise and interference (RF/ EMI). This assures high quality data.
- **Display Box with Vacuum Fluorescent Display**, 110 VAC or 12 VDC power supply and 6 ft. serial cable to PC to update CAMEO®/ALOHA®.
- **Hand-Held Compass** for manually orienting the C-5 SAM™ to True North.
(Electronic compass on WEATHERPAK® only)
- **Single Cable Carries Both Power and Data.**
 Vehicle mounted systems include 25 feet of cable from C-5 SAM™ to display.

C-5 SAM™ SYSTEM PACKAGES

All C-5 SAM™ packages feature the following:

- **Display Box with Vacuum Fluorescent Display** readout, 110 VAC or 12 VDC power supply and 6 ft. serial cable to PC to update CAMEO®/ALOHA®.
- **Hand-Held Compass** for manually orienting the C-5 SAM™ to True North.
- **Hard-Sided Carry/Storage Case** with pre-cut protective foam insert.

Standard C-5 SAM™ VM Vehicle Mount Pack (P/N 80023)
 C-5 SAM™ Sensor Head with Wind Speed/Direction, Air Temperature, Humidity and Barometric Pressure sensors. Telescoping vehicle mount and 25 feet of cable.

Basic C-5 SAM™ VM Vehicle Mount Pack (P/N 80024)
 C-5 SAM™ Sensor Head with Wind Speed/Direction, Air Temperature sensors only*. Telescoping vehicle mount and 25 feet of cable.

* Minimum requirement to update CAMEO®/ALOHA®

SPECIFICATIONS

Sensors

WIND MONITOR

Wind Speed

Range:	0 to 60 m/s (130 mph)
Survival:	100 m/s (220 mph)
Threshold:	1.0 m/s (2.2 mph)
Dist. Constant:	2.7 m (8.9 ft)

Wind Direction

Range:	360° - mechanical 355° - electrical
Survival:	100 m/s (220 mph)
Threshold:	0.9 m/s (2.0 mph)
Delay Distance:	1.3 m (4.3 ft)

TEMPERATURE SENSOR

Range:	-30°C to +50°C (-22°F to +122°F)
Interchangeability:	+/- 0.2°C over full range (0.36°F)
Resolution:	0.5°C (1.0°F)

HUMIDITY SENSOR (Optional)

Range:	0 to 100%
Accuracy:	5% of full scale
Range:	-40°C to +50°C (-40°F to +122°F)

BAROMETRIC PRESSURE (Optional)

Accuracy:	+/- 4 MB
Range:	-40°C to +50°C (-40°F to +122°F)

Electronics

POWER INPUT

115 to 230 VAC; 50 to 60 Hz or
12 VDC; 200 mA

DISPLAY SCREEN

Size: 4 × 20 characters
 Type: VFD (Vacuum Fluorescent Display) with dimmer switch.

DATA OUTPUT

Running 5 minute averages of wind speed and direction, stability class, air temperature, humidity (optional) and barometric pressure (optional), and instantaneous wind speed and direction, air temperature, and C-5 SAM™ ID number.

Mechanical

SENSOR HEAD

20.0" H × 12.0" W (Wind Monitor)
 5.5" W (Body)
 4 lbs. (1.8 kg)

DISPLAY BOX

10.0" H × 6.0" W × 3.0" D
 4.5 lbs. (2.0 kg)

Specifications subject to change without notice.