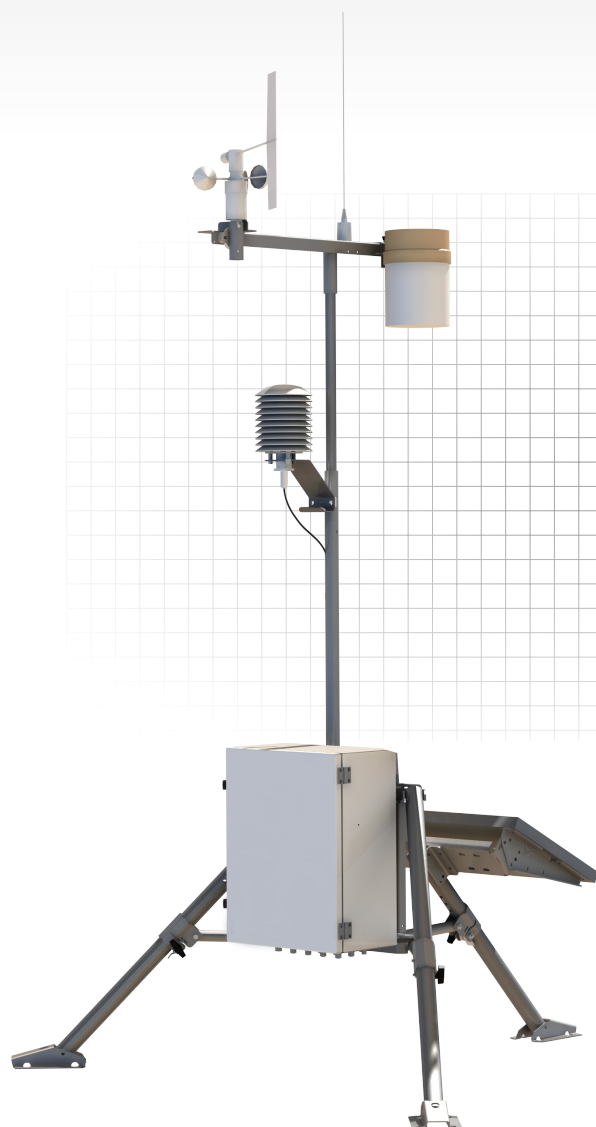




RAWS-F

Remote Automated Weather Station, Fire Weather



Quick Setup

Ready for use in as little as
10 minutes, without tools

Measurements

- Wind speed
- Wind direction
- Air temperature
- Relative humidity
- Precipitation
- Solar radiation
- Barometric Pressure (option -QB)

Overview

Our RAWS-F Fire Weather Quick Deployment Station is ideal for prescribed burns or other temporary installations. Each RAWS-F station is preprogrammed to monitor wind speed and direction, air tempera-

ture and relative humidity, precipitation, barometric pressure, and solar radiation. This program complies with the National Fire Danger Rating System (NFDRS) weather station standards.

Benefits and Features

- › CR1000-based system
- › Monitors, records, and transmits meteorological data relevant to fire danger prediction
- › Ideal for prescribed burns or other temporary installations
- › Outside of the enclosure has color-coded, keyed connectors for attaching sensors
- › Metal connector caps are chained to the connector panel
- › Preprogrammed to monitor wind speed and direction, air temperature and relative humidity, precipitation, barometric pressure, and solar radiation sensors
- › Complies with the National Fire Danger Rating System (NFDRS) weather station standard
- › Four additional connectors can be incorporated into the panel

More info: 435.227.9120

www.campbellsci.com/raws-f



Standard Components

- 1 CR1000 Measurement and Control Datalogger
- 2 7 Ah rechargeable battery (option -7) or 24 Ah rechargeable battery (option -24)
- 3 CS300-QD Solar Radiation Sensor (behind rain gage)
- 4 HC2S3-QD Air Temperature and Relative Humidity Probe
- 5 TE525-QD Tipping Bucket Rain Gage
- 6 Wind Sensor (option -MW 034B-QD Wind Set is shown at right)
- 7 SP20-QD 20 W Solar Panel shown (included with option -24); SP10-QD 10 W solar panel is included with option -7.
- 8 CS100 Barometer (option -QB)
- 9 6 ft Tripod
- 10 Environmental Enclosure, 14 x 18 in
- 11 Transport Cases



Customizations

Sensors

Besides the connectors for the standard sensors, the RAWS-F includes a connector for:

- › CS516-QD Fuel Moisture/Temperature Sensor

The RAWS-F connector panel can be customized for additional sensors such as:

- › Stream flow
- › Snow depth
- › Water depth
- › Soil moisture/soil temperature

Communications

Compatible communication equipment include telephones, digital cellular transceivers, and radios.

Power

The 18897 wall charger can recharge the RAWS-F battery during off-season, winter-time storage. This wall charger has a 24 Vac, 1.67 A output and a 110 to 240 Vac input.



WindSonic-QD 2-D ultrasonic anemometer (ordered as Wind Sensor option -GW).



Connector Panel



CS516-QD Fuel Sensor (ordered separately)