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

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 temperature 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

Measurements
- Wind speed
- Wind direction
- Air temperature
- Relative humidity
- Precipitation
- Solar radiation
- Barometric Pressure (option -QB)
**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. HC253-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

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**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

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**Communications**

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

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**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.

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

Connector Panel

CSS16-QD Fuel Sensor (ordered separately)