



ESTACIONES METEOROLÓGICAS

RAWS

ESPECIFICACIONES TÉCNICAS



FTS

AN **aem** BRAND

ESPECIFICACIONES TÉCNICAS

La estación meteorológica automatizada remota fija (RAWS) de FTS es el estándar para las estaciones meteorológicas automatizadas remotas que se utilizan en América del Norte para monitorear el clima de incendios. Está diseñado específicamente con los intereses de las agencias de manejo de incendios y combustibles para su uso en áreas remotas, requiriendo solo servicio y mantenimiento anual.

Desde el montaje de una nueva estación en una ubicación remota hasta el servicio y mantenimiento anual, el diseño del RAWS fijo FTS muestra nuestra amplia experiencia de 35 años en el mercado.



CARACTERÍSTICAS

FIXED REMOTE AUTOMATED WEATHER STATION

Enclosure and Electronics

Made from durable heavy-gauge aluminum, the enclosure houses the Axiom datalogger and a 6-cell, 12-volt heavy duty battery.

Axiom Datalogger

The Axiom Datalogger is the most rugged and durable, yet dead simple to use data logger available. This clever design, born out of our experience meeting the strict reliability demands of the North American fire weather market for over 35 years, provides an extremely low total cost of ownership.



Tri-leg Tower Mast

The folding mast provides fast, easy access to wind sensors. Masts are available in 20ft, 25ft and 10m heights. A winch kit is available to raise and lower the mast, allowing a single person to service and maintain the site without having to do any climbing.



Solar Radiation Sensor (Pyronometer)

The SDI-SR-PYR Solar Radiation sensor is a pyranometer that measures the amount of sunlight exposed to fuels. It is a digital sensor with SDI-12 digital interface output, and stores all calibration coefficients within the sensor.

EON2 CS2 GOES Antenna

The EON2 CS2 requires no assembly, and no aiming in most locations. Rugged by design, it is completely sealed for marine environments and dome-shaped for superior ice/snow shedding. This one antenna replaces separate GOES and GPS antennas.

Wind Speed and Direction Sensor

The FTS SDI RM Young Wind Monitor is a mechanical dual wind sensor with an SDI output that accurately measures wind speed and direction. The SDI-12 interface avoids the complexity of measuring the AC wind speed signal or the potentiometer output.

Rain Gauge (Tipping Bucket)

The RG-T rain gauge measures precipitation in increments of .01 inch (0.254mm), each hour.

Air Temperature and Humidity Sensor

The THS-3 Air Temperature and Humidity Sensor is a high quality, precision temperature and humidity sensor housed in a durable solar radiation shield. An SDI version is also available.

Solar Panel

Most stations operate on a battery, which is recharged by a solar panel. A 20W solar panel is most common, but 10W and 50W panels are available when needed by site-specific conditions.

Adjustable Legs

The three legs of the Tri-leg tower are adjustable in length to permit the tower to be installed on uneven ground. The feet can be anchored with metal stakes, or rocks can be piled on top of the feet.

Tri-leg Tower

FTS' Tri-leg tower provides a solid frame to mount sensors and other equipment. Anchored to the ground, it is able to withstand sustained 125 mph (201 km/h) winds without requiring setting in a concrete base.

Fuel Stick

The optional FS-3 fuel stick measures fuel moisture and temperature.

EXAMPLES OF SENSORS THAT CAN BE EASILY ADDED

- Barometric pressure
- Soil moisture
- Ultrasonic wind speed direction
- Snow depth
- Soil temperature
- Visibility
- All-weather precipitation
- Air Quality
- Turbidity
- Pressure transducer
- Bubbler (water level)
- Multisondes

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