



**Extreme environments.  
Extreme ruggedness.  
Extremely simple.**



**QD3 Quick Deploy  
Remote Automated Weather Station (RAWS)**

On-site weather monitoring for prescribed burning, fire use, wildfire and emergency response applications.



# 15 minutes. 1 person. No tools.

## Engineered to be rugged. Designed to be simple.

### Unique omnidirectional GOES antenna

FTS offers the only GOES antenna that doesn't have to be aligned in any way. GPS automatically sets datalogger time and provides station location.

- Faster, easier setup: no specialized training or tools required.
- Optional GOES transmitter is integrated into the datalogger—nothing to connect or install. Transmission occurs automatically, once an hour.
- More durable—not easily damaged during setup or by animals, wind, snow or ice.

### Real-time weather conditions on demand.

The optional radio voice transmitter gives you mobility by allowing you to call in to the QD3 via any DTMF capable voice radio for current weather conditions.

- Allows multiple access codes for different sets of weather information—get only the data you need, based on the inquiry code sent.
- Minimizes air time, saves radio power and improves safety by conserving air time for others.
- Instant voice alerts of exceeded weather parameter thresholds provide real-time decision-making, maximizing firefighter and public safety.

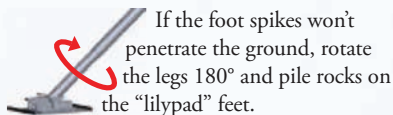
### Flexible. Customized to your needs.

The QD3 typically includes wind speed & direction sensors, temperature/humidity sensor, and a tipping bucket rain gauge. Options include a fuel stick sensor, solar radiation sensor and a barometric pressure sensor. A variety of other SDI sensors are available.



### Secure deployment in any terrain.

- The sturdy tripod creates a low center of gravity, yet keeps the datalogger—what you interact with—at eye level.
- Our unique “lilypad” feet and adjustable, telescoping legs provide the flexibility to deploy the QD3 wherever you need it.
- Hinged feet allows placement on uneven surfaces.
- The QD3 can withstand wind gusts of 100mph.



To make a dead-simple, “no tools required” complete RAWS requires lots of design ingenuity. Clever ideas like custom-designed “fast-fit” mounting brackets and secure and stable but easy-to-handle grenade pins (which are even tethered to the frame so they won't get lost).

### Intelligent Power Management.

It's not enough to be tough and durable. When you count on your data, a weather station has to collect and transmit even in adverse conditions.

- Microprocessor-controlled power management system maximizes battery life.
- Monitors solar panel output and optimizes charging voltage according to ambient temperature.
- Temporarily suspends power-hungry communications if low battery status is detected—but keeps recording data
- Provides continuous, trouble-free operation even in areas where there's minimal sunlight at times.

### Complete, yet completely portable.

The QD3 is easily transported on the back of an ATV or in a helicopter and can be handled and set up by one person. All components fit into two cases weighing 50 to 75 pounds each, depending on options.



### We've considered every detail. Even your vehicle's upholstery.

Ergonomic design doesn't end with the station. The QD3's upholstery-friendly case has no sharp buckles and a rugged Cordura weatherproof outer shell. The inner foam is rigid and prevents all components from being crushed. We also attach the easy one-sheet instructions for station setup and re-packing, so no matter who sets up the station, they always know exactly how to assemble and dismantle it.



# The FTS Axiom™ F6 Datalogger

## No laptop, no programming required.

The Axiom is the first and only fire RAWS datalogger to offer a waterproof, industrial-grade, color **integrated touch screen**. We integrated the computer and software right into the datalogger, eliminating the need for field laptops and cables.

- No more wind and rain damage, low battery or “where do I put the laptop?” hassles.
- No complex software to install, maintain or learn.



- Graph sensor data, view current readings, profile battery performance, change annual rain count, and more...**in any weather condition.**

## We are the World Leader in Fire Weather Systems.

For over 30 years, we've known what you need to be successful.

**Every component meets or exceeds NFDORS/CFDORS standards.**

- Insures your data has value.
- Reduces liability.
- Insures no-cost access to nationally-funded service contracts.

**Approved and certified by RSFWSU.**

- Supported with existing service contracts.
- Allows access to service from NIFC.

**Pre-configured for fire applications and compliant with ASCADS database.**

- No need for specialized, trained staff to program, configure, verify and validate...anyone can set it up.
- Shipped pre-programmed with NIFC fire RAWS program (US) or any other specified programming (CDN)
- Ready to go out of the box—just turn it on and it works.

## Simplify site visits.

It's reliability insures that site visits are kept to a minimum. But when you do go, the Axiom simplifies your tasks.

- Download all historical data, audit logs, datalogger programs, service reports, etc. in common formats to any standard USB memory stick in seconds...review on your PC back at the office.
- Finish the visit by downloading an electronic site visit report, which automatically captures all necessary service call data (including sensor serial number changes). The file can then be easily sent to WFMI/CMMS.



## Extreme Ruggedness.

Because reliability is paramount and any downtime means lost data and increased liability, the Axiom is engineered for long-term durability in the harshest environments.

- Three levels of lightning protection.
- Completely waterproof cast aluminum case, connectors and ports. Even the touchscreen. And not just splashproof: fully watertight.
- Stainless steel hardware.
- Positive-locking, waterproof, color-coded, military-style connectors.

## Flexibility and expandability.

The Axiom may be today's most state-of-the-art datalogger, but it's also a technology platform for the future. Just as existing computer hardware can gain new functions by installing software, the QD3 can grow in usefulness without replacing the datalogger.

- Install new programs, firmware and operating system updates easily via the USB ports—your station gains new features without changing the hardware.
- Two independent SDI ports provide true plug-and-play integration of current and future digital sensors like barometric, visibility, snow depth, stage and other sensors.
- Allows virtually unlimited expandability—up to 61 digital sensors. Calibration coefficients are not required.

# QD3 Quick Deploy RAWS (Remote Automated Weather Station)

On-site weather monitoring for prescribed burning, fire use, wildfire and emergency response applications.



The FTS QD3 Quick Deploy station is the preferred choice among US and Canadian wildland fire professionals for rapid wildfire response, prescribed burns and other temporary monitoring applications. It is used extensively by:

- US Forest Service
- Bureau of Indian Affairs
- Ontario Ministry of Natural Resources
- US National Park Service
- Bureau of Land Management
- British Columbia Ministry of Forests
- US Fish and Wildlife Service
- Various State and Provincial Agencies
- La Comision Nacional del Agua (Mexico)
- US Army
- Parks Canada
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FTS is a leading manufacturer of remote environmental monitoring systems, instrumentation and communications technology. We focus on fire weather, hydrology and specialized meteorology applications.

Our equipment forms the backbone of some of the world's most sophisticated and demanding environment monitoring networks. For over 30 years, FTS weather and water monitoring stations have proven themselves under the most demanding conditions...from the most remote northern regions of arctic Canada to the sun-beaten, wind-blown salt and sand of the Mexican coast. FTS technology is engineered to be rugged and is unparalleled in ease-of-use.

## Feature-Benefit-Value Summary Matrix

We constantly solicit feedback from line operations staff and Fire Management about why they prefer FTS Fire RAWS products. They tell us it's because FTS offers the greatest operational functionality with the lowest total cost of ownership. Our customers require durable equipment that is quick and easy to set up in an emergency situation and operates with the highest level of reliability and accuracy.

Feature	Benefit	Cost Reduced	Training Reduced	Maintenance Reduced	Reliability Increased	Safety Increased
<b>No laptop or tools required in the field</b>	<ul style="list-style-type: none"> <li>No hassles associated with computer hardware and software (dead batteries, unreadable displays, communication errors, hard drive crashes, etc.)</li> <li>Reduced capital expense by eliminating the need for laptop purchases and maintenance costs.</li> <li>Elimination of damage to computer due to rain, wind, dirt.</li> <li>Field technicians always have everything needed to set up station.</li> <li>Reliable deployments and simplified operations and training.</li> </ul>	●	●		●	
<b>No programming required</b>	<ul style="list-style-type: none"> <li>Reduced training requirements.</li> <li>Improved reliability through minimized opportunity for error.</li> <li>No laptop required in the field.</li> </ul>	○	○		○	
<b>Ability to set conditional logging parameters through integrated touchscreen</b>	<ul style="list-style-type: none"> <li>Allows for customized site- and situation-specific logging requirements.</li> <li>Provides flexibility of program parameters for different condition (ex. 5-min. logging for prescribed burns)</li> <li>Voice alert conditions configurable in field to meet site- and fire-specific requirements.</li> </ul>				●	●
<b>Serviced and maintained by RSFWSU</b>	<ul style="list-style-type: none"> <li>Multiple service and support options.</li> <li>Broad range of service and support expertise available.</li> <li>Ensures maximum deployment time.</li> </ul>	○	○	○	○	
<b>State-of-the-art technology</b>	<ul style="list-style-type: none"> <li>Long lifecycle.</li> <li>Expansion options—upgrade path for future functionality.</li> </ul>	●	●	●	●	



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