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JAIN Logic

Agricultural Monitoring and Control Technology

JAIN Logic is the field monitoring technology that growers trust. JAIN Logic delivers real-time data from sensors in the field to any internet connected mobile device, tablet, or computer in an easy-to-use and intuitive interface.

From soil moisture monitoring to evapotranspiration forecasting and irrigation scheduling, JAIN Logic is the only water management software that farmers need to achieve more crop per drop.



Radio Nodes	Tier	Count	
Annual Cost Per Radio Node	3	1-6	\$550.00
	2	7-12	\$450.00
	1	13-18	\$350.00

Subscription Fees		
Part Number	Web and Data Services	
15201030	Monitoring Stand Alone, Monthly Subscription JAIN Logic services account fee includes web monitoring, alerts, smart phone and tablet viewing. Also included is a phone support service. Fee is for stations used for monitoring functions only.	\$67.50/month
15201000	Yearly Subscription	\$810.00/year
15201025	Control Station, Monthly Subscription JAIN Logic services account fee includes web monitoring, alerts, smart phone and tablet viewing. Also included is a phone support service. Fee is for stations used for monitoring and control functions.	\$76.50/month
15201015	Yearly Subscription	\$918.00/year
15201016	Single Point Monitoring JAIN Logic services account fee includes web monitoring, alerts, smart phone and tablet viewing. Also included is a phone support service. Monitoring fee is for single sensor applications such as flow monitoring or tank level monitoring.	\$32.40/month
15201006	Yearly Subscription	\$388.80/year
15201016	JAIN Logic Pulse Subscription JAIN Logic Pulse service fee includes weekly reporting sent straight to your email or person of your choosing. You will receive irrigation event logs containing start time, end time, run time and applied water.	\$32.40/month
15201010	Yearly Subscription	\$350.00/year

JAIN Logic Pulse

JAIN Logic Pulse is a completely new approach to irrigation system monitoring.

Right from the design stage, your entire system has performance monitoring built in and monitors itself so you don't have to. This means you can get on with doing what's important, and know that when something needs attention, you'll be the first to know.

Pulse intelligently works in the background, monitoring the pump and filter station tracking pre and post filter pressures, system flow and irrigation events. If anything needs your attention, Pulse will let you know with flexible alerting for you and your team.

Pulse Features

We've Got it all Covered

Pulse monitors the key performance elements of your pump and filter station to give you the peace of mind that your system is running as it should be and alerted when it's not.

Filter Station

- Pre and Post Filter Pressure
- Pre and Post Filter Pressure Differential

Flow Meter

- Total Applied Water - by event, week and season

Beyond alerting, Pulse will provide regular reporting of water use, irrigation events, pressure variances and system health and delivers it right into your email box, so you never need to go looking for the information you need.

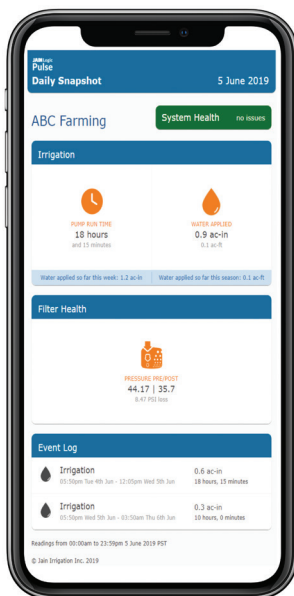
Achieve all this without ever needing to log in to a website or remember another password. Everything comes to you via email and SMS; simply and reliably.

Irrigation Event Logs

- Weekly Trends for All Monitored Performance Inputs
- Start Time, End Time, Run Time and Applied Water

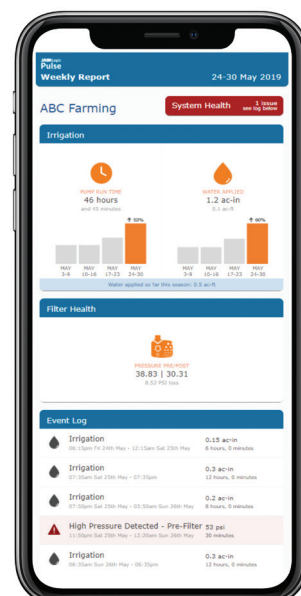
System Alerts

- User Defined High / Low Pressure Events
- User Defined High / Low Flow Events



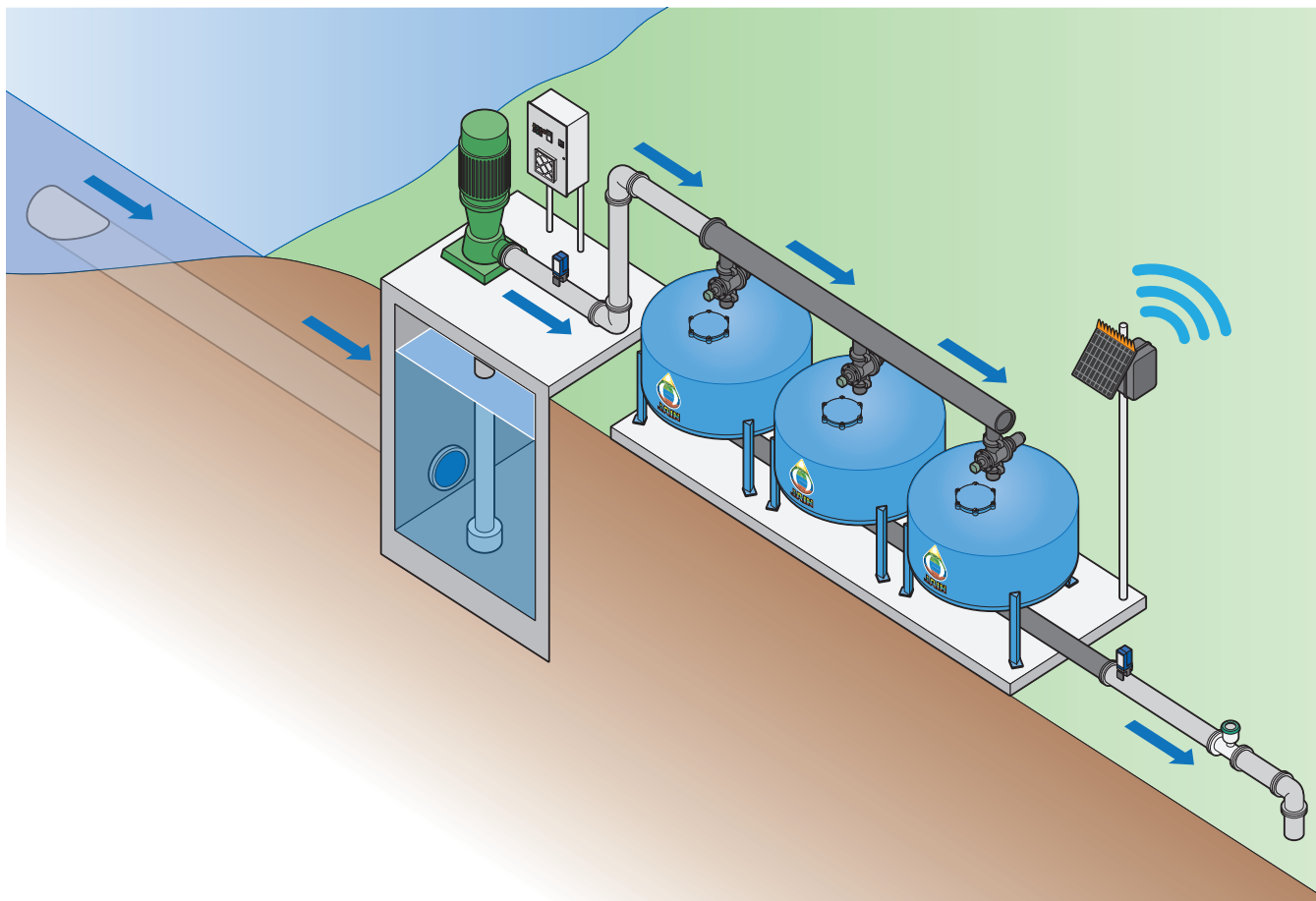
Reporting

JAIN Logic Pulse Weekly Report



Irrigation Event Logs

- Start Time, End Time, Run Time and Applied Water



How Pulse Works

Always on and always monitoring, Pulse keeps an eye on your system to ensure it's performing as expected; highlighting problem areas and reporting water use.

- Pressure sensors are installed pre and post filter and coupled with the systems flow meter.
- Data is collected on a user set schedule and analysed for insight into system performance, health and alerting conditions.
- Daily emails provide detailed operational information.
- Weekly emails are setup to deliver water use and system health trends.

Subscription Fees

Part Number	Web and Data Services
15201010	<p>JAIN Logic Pulse Subscription</p> <p>JAIN Logic Pulse service fee includes weekly reporting sent straight to your email or person of your choosing. You will receive irrigation event logs containing start time, end time, run time and applied water.</p> <p>\$350.00/year</p>

Support for a Range of Sensors

Pressure Sensor

- OsiSense Pressure Sensor

Flow Meter

- Seametrics AG2000
- Seametrics AG3000
- McCrometer MAG 3000
- Compatible with most popular pulse output flow meters

JAIN C3 Field Station

A flexible monitoring and control platform the JAIN C3 is the heart of the Jain Monitoring and Control system. The JAIN C3 can be configured to use as a simple pump controller or as a gateway to manage a network of C3's and monitor a complete irrigation system.



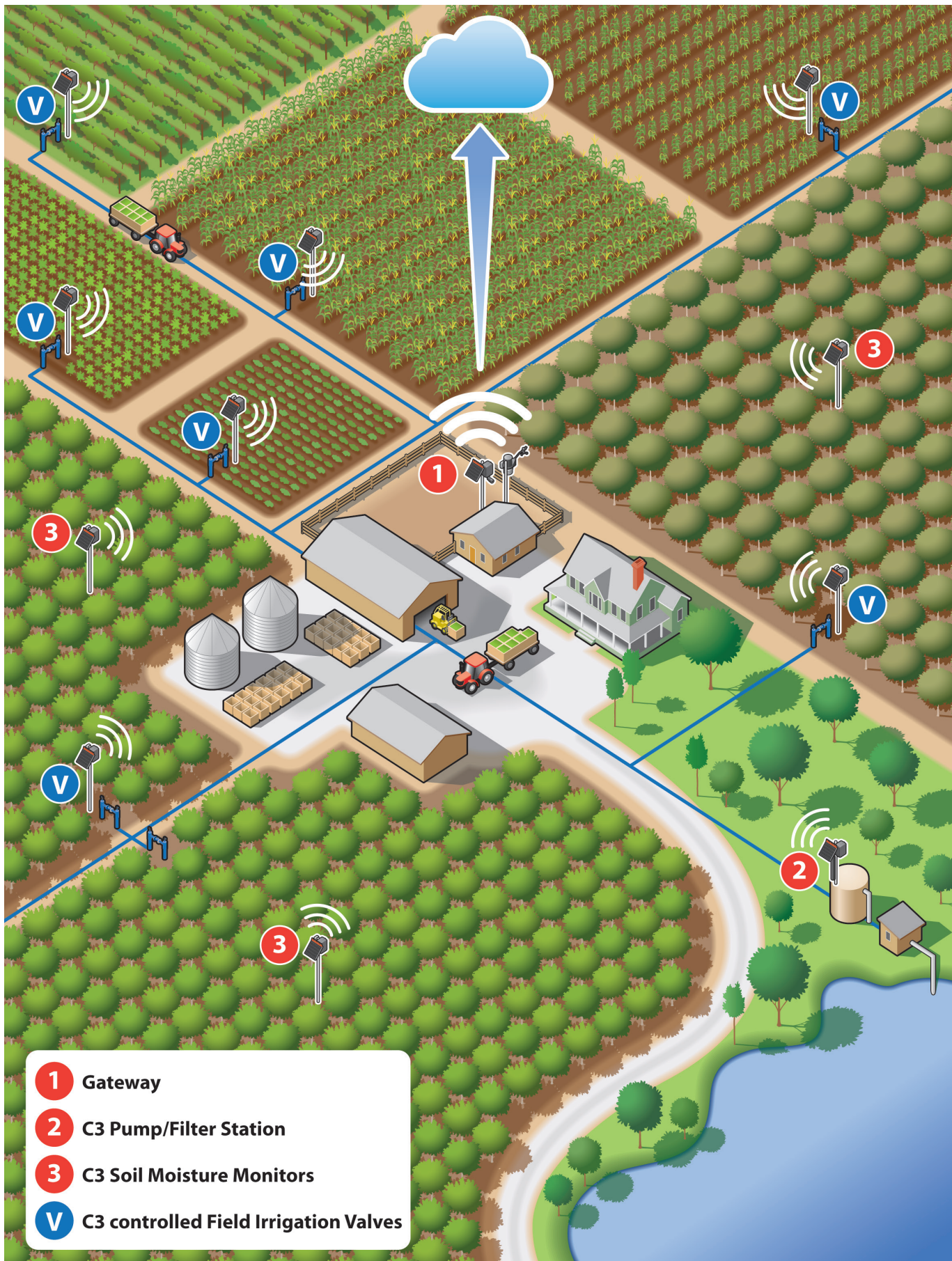
C3 Telemetry Unit

The JAIN C3 Field Station can remotely monitor a large range of agricultural and irrigation equipment with integrated access to the JAIN Logic software platform for data management and system control.

The C3 delivers unparalleled functionality, tailored to meet the requirements of any monitoring and control scenario. The JAIN C3 is available with a number of wireless communication options, allowing remote access to your equipment at the most optimal cost. The lithium battery technology and remote diagnostics functionality means minimal maintenance and reduced operating costs.

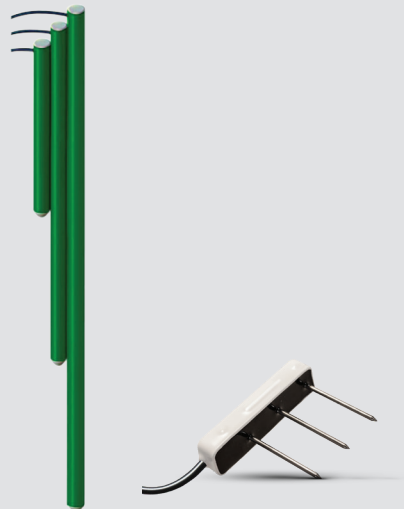
Part Number	Description	List Price
Jain C3 Telemetry Unit		
15213105	C3 Cellular / 900MHz Field Station This C3 Field Station has a 900 MHz radio, cellular capability, fully functional input / output ports, and a high current output. It can serve as a gateway or a node. *	\$1,325.00
00780	C3 Enclosure and Solar Panel A Solar Panel and enclosure for the C3, includes a GPS antenna, low gain 3G cellular antenna and pole mounting hardware.	\$430.50
10165	C3 Solar Enclosure Split Mount Kit Accessories to split and separately pole mount C3 Solar Panel and C3 Enclosure. Includes C3 solar panel pole mount adapter bracket, 32' cable for panel power, gel crimp connectors and C3 enclosure plug. Does not include C3 Solar Enclosure.	\$106.00

Note: * Solar Enclosure (00780) and chosen antenna are purchased separately.



Support for a Wide Range of Sensors

- The C3 supports a versatile selection of probes and sensors for monitoring all types of field conditions
- This allows selecting the right tool to match your crop and monitoring needs
- Probes from AquaCheck, EnviroPro, Sentek and HSTI
- Soil Moisture sensors from Decagon and Stephens
- Weather Stations, Leaf Wetness, Pressure Transducers,
- Flow Meters and many others
- All data sent to JAIN Logic software making analysis and decisions easy



Tank Level Monitoring

- Continually checks tank levels
- High quality ultrasonic sensor is accurate and unaffected by water quality
- Alerts on low/high water levels
- View water level history graphs



Bundles

Part Number	Description	List Price
Soil Moisture Station Bundles		
EnviroPro Bundles		
10364	C3 Telemetry Unit - 16" / 40cm EnviroPro Bundle Sole Telemetry Unit and 16" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$2,915.00
10365	C3 Telemetry Unit - 32" / 80cm EnviroPro Bundle Sole Telemetry Unit and 32" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,310.00
10366	C3 Telemetry Unit - 48" / 120cm EnviroPro Bundle Sole Telemetry Unit and 48" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,800.00
10367	C3 Telemetry Unit - 60" / 160cm EnviroPro Bundle Sole Telemetry Unit and 60" EnviroPro Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,200.00
Soil Moisture Station Bundles		
Sentek Bundles		
15213110	C3 Telemetry Unit - 12" / 30cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 12" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$2,975.00
15213111	C3 Telemetry Unit - 24" / 60cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 24" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,080.00
15213112	C3 Telemetry Unit - 35" / 90cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 35" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,265.00
15213113	C3 Telemetry Unit - 47" / 120cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 47" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,540.00
15213114	C3 Telemetry Unit - 60" / 150cm Sentek Drill and Drop Bundle C3 Telemetry Unit and 60" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,065.00
Soil Moisture Station Bundles		
Sentek TriSCAN Bundles		
15213160	C3 Telemetry Unit - 12" / 30cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 12" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$2,964.00
15213161	C3 Telemetry Unit - 24" / 60cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 24" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,325.00
15213162	C3 Telemetry Unit - 35" / 90cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 35" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,525.00
15213163	C3 Telemetry Unit - 47" / 120cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 47" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$3,835.00
15213164	C3 Telemetry Unit - 60" / 150cm Sentek TriSCAN Drill and Drop Bundle C3 Telemetry Unit and 60" Sentek Bundle. Node or stand-alone cellular. Includes C3 Field Station, Antenna, Solar Enclosure, Soil Moisture Probe, Pressure Sensor and cables.	\$4,025.00

Parts and Components

Part Number	Description	List Price
Antennas, Cables and Connectors		
01437	Cellular (3G, 4G, CDMA) Dome Antenna 20" / 50cm Cable This wide-band, low profile, dome antenna is suitable for 3G or 4G, CDMA cellular operations. Included is a 20" cable terminated with a right-angle SMA connector and is easily mounted on the C3 Solar Enclosure.	\$84.00
10238	900MHz Pole Mount Antenna, 13' / 4m Cable 900MHz whip antenna (5dBi) with 4m (13') cable and pole mounting kit (vertical or horizontal).	\$196.10
10239	900MHz Pole Mount Antenna, 32' / 10m Cable 900MHz whip antenna (5dBi) with 10m (32') cable and pole mounting kit (vertical or horizontal).	\$210.00
00774	C3 to Device Cable, 19' / 6m 20' cable with a C3 terminal-block plug to male, 4 conductor, Switchcraft EN3 connector.	\$84.00
01346	JPT-2 Pressure Sensor Cable Connector, Cable, 6' / 2m 6' cable with a C3 terminal-block plug to male, 4 conductor, Switchcraft EN3 connector.	\$42.63
01364	JPT-2 Pressure Sensor Cable Connector, Cable, 16' / 5m 16' JPT-2 pressure-sensor cable with female, 4 conductor, elbowed, M12 connector.	\$42.00
01643	Weather Station Interface Cable 32" weather station cable with a male, RJ11 connector to female, 4 conductor, Switchcraft EN3 connector. Used to connect a C3 to a Davis Vantage Pro2.	\$140.40
10082	C3 High Current Cable for Actuator Control Cable to connect C3 to high current devices such as actuators.	\$110.00
01727	Weather Station - C3 Adds a weather station to an existing C3 Field Station. Allows monitoring of wind speed and direction, temperature and humidity. Includes 20' of cable for C3 and 32' cable mating to Davis Station.	\$892.50

Parts and Components

Part Number	Description	List Price
Weather and Environmental Sensors		
01347	JPT-2 Water / Air Pressure Sensor, 0-100 PSI (Requires Cable) A Pressure-Sensor Transmitter suitable for air or fresh water, with a range of 0-100psi and a 4-pin, M12 conduit connection. Cable not included.	\$126.00
10183	Relative Humidity and temperature and Pressure Sensor VP-4 The VP-4 measures relative humidity, barometric pressure, air temperature and vapour pressure. Sensor cable is 16' (5m) and terminated with bare ends. Radiation shield is included.	\$577.70

Part Number	Description	List Price
Additional Parts and Components		
15214005	Temperature and Humidity Sensor with Cable	\$225.00
15214010	Radiation Shield	\$100.00
15215006	5 Watt Solar Panel	\$75.00
15211001	Power Cable for Solar Panel 25'	\$55.00
15211018	Sentek SMP Cable 15.5'	\$55.00
15211006	12V 5Ah Sealed Lead Acid Rechargeable Battery	\$33.00
15211016	7.4V 6.6Ah Li-Ion Rechargeable Battery	\$132.00
15213028	12"/30CM Sentek Drill and Drop	\$910.00
15213029	24"/60CM Sentek Drill and Drop	\$1,015.00
15213033	35"/90CM Sentek Drill and Drop	\$1,250.00
15213035	47"/120CM Sentek Drill and Drop	\$1,625.00
15214112	59"/150CM Sentek Drill and Drop	\$1,850.00
15213034	12"/30CM Sentek TriSCAN Drill and Drop	\$1,025.00
15213037	24"/60CM Sentek TriSCAN Drill and Drop	\$1,475.00
15213039	35"/90CM Sentek TriSCAN Drill and Drop	\$1,525.00
15213038	47"/120CM Sentek TriSCAN Drill and Drop	\$1,725.00
15213024	59"/150CM Sealed TriSCAN Drill and Drop	\$2,375.00
01282	16"/40CM EnviroPRO	\$747.60
01550	EnviroPRO EC Upgrade 16"	\$180.20
01238	32"/80CM EnviroPRO	\$895.00
01525	EnviroPRO EC Upgrade 32"	\$342.00
01285	48"/120CM EnviroPRO	\$1,350.00
01551	EnviroPRO EC Upgrade 48"	\$543.78
01286	63"/160CM EnviroPRO	\$1,882.00
01552	EnviroPRO EC Upgrade 63"	\$725.04

NOTES

JAIN MONITORING AND CONTROL