xylem
Let's Solve Water

Hydrological Monitoring Instrumentation

WATER LEVEL, DISCHARGE, WATER QUALITY & WEATHER

Global Water

YSI

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WL16 Water Level Logger | Pg. 2

- Ability to record over 81,000 readings
- 4 unique recording options
- Water-resistant
- Storing data & setting options made easy through user friendly software (included)
- Multiple depth ranges
- Highly accurate water level measurements
- Easy operation & installation

Amazon Level Bubbler | Pg. 4

- Ideal system for long-term, water level monitoring sites.
- Can be used as a stand-alone system with internal data storage, or as a sensor connected to any manufacturers data logger.
- Easily configure & collect data using the browser-based graphical user interface.
- An attractive solution for real-time monitoring & data collection.

FP111, FP211 & FP311 Velocity Flow Probe | Pg. 8

- Digital display in ft/sec or m/sec
- Records 30 data sets for later analysis
- Rain-proof digital computer
- Highly accurate easy flow monitoring
- Debris shedding turbo-prop
- Lightweight, rugged, & reliable

Water Quality Sensors | Pg. 16

- Water quality transmitters monitor Temperature, pH, Conductivity,
- Dissolved Oxygen, & ORP/Redox
- Fully encapsulated electronics
- 4-20 mA output
- Marine grade cable with strain relief
- Stainless steel housing

Water & Wastewater Sampling Systems | Pg. 12

- Easy transport-quick disconnect pickup hose conveniently stored inside the enclosure
- Durable-heavy duty wheels & retractable handle built in
- Improved battery life-enclosed battery compartment with smart battery charger
- Rugged construction for harsh environments
- Level & water quality triggering options

Storm 3 Data Logger | Pg. 26

- Accurately monitor hydrological, meteorological, industrial control, storm & waste water.
- Simple & intuitive browser-based Graphical User Interface (GUI)
- Direct connect or wireless (Wi-Fi) connection for the GUI interface
- Library-based sensor setup options
- Built-in help menus
- Two USB 2.0 compliant host ports (thumb drives & Wi-Fi adaptor)

Water Level - Flow - Temperature Loggers

Global Water

WL16
Water Flow Temp Logger

WL16 Water Level Logger

Submersible pressure transducer & USB data logger combination

Designed for remote monitoring & recording of water level or pressure data. The water level logger can record over 81,000 readings & has four unique recording options, fast (10 samples per second), programmable interval (1 second to multiple years), logarithmic, & exception. Multiple depth ranges are available from 3 to 500 feet of water level change.

Features

- Four sample modes: 10 times per second, timed, logarithmic, & exception
- CE Certified
- User friendly software included
- USB communication
- No need to remove sensor for data collection or battery change
- Highly accurate water level measurements
- User programmable start & stop alarms, engineering units, & field calibration setup
- Unique 0-3 ft range for shallow water
- WL400 Water Level Sensor

WL400
Water Level Sensor

WL400 Water Level Sensor

Submersible Pressure Transducer for Level & Pressure

Provides highly accurate & reliable water level & pressure measurements in rivers, streams & several other applications. The compact, rugged design makes installation easy. The WL400 has automatic barometric compensation & optional temperature output. The 4-20 mA output sensor is compatible with most monitoring equipment.

Features

- 4-20mA output
- ±0.1% of full scale
- Water-resistant
- Vented cable for automatic barometric compensation
- Vented Cable length up to 300m
- Multiple level ranges available from 1m to 150m
- Diameter 20mm, Length 140mm

EZ100 EZ Sensor Display
LCD readout display for both portable use & permanent installations.

Options

Options	Description
AL0000	PRPM Pressure Pipe Option
ARJ050	F16U USB software kit with software, manual, & serial interface cable.
AE0000	WL-EXE Extra Marine Grade Sensor Cable.
AN0000	WL-T Temperature Output Option.

Submersible Pressure Sensors

Global Water

WL430
Wastewater
Level Sensor

WL430 Sewage Lift Station Wastewater Level Sensor

Submersible waste water level sensor

The Sewage Lift Station Wastewater Level Sensor's "Steelcage" design offers the highest reliability in level measurement for severe high solids environments such as sewage, lift stations, storm canals, wet wells & slurry tanks. The lift station wastewater level sensor's electronics are capable of withstanding lightning strikes & meet RCTA/DO 160D for lightning direct effects. All Sewage Lift Station Wastewater Level Sensors are corrosion resistant & clog free.

WL450
Stainless Level
Transmitter

WL450 All Stainless Level Transmitter

Submersible stainless steel diaphragm water level transmitters

Highly accurate submersible pressure transducer. The WL450 features 316L stainless steel or Titanium diaphragm, digital temperature compensation, & environmentally neutral Hytrel® cable-providing a high level performance over a long period of time with a wide range of operating conditions. The WL450 is perfect for your monitoring applications such as streams, rivers, reservoirs, & more. NSF 61 certification is available.

DCX-22
Water Level
Dataloggers

DCX-22 Self Contained Water Level Dataloggers

Submersible absolute pressure transducer

The DCX-22 Self Contained Water Level Dataloggers are highly accurate, self-contained, battery powered absolute pressure water level loggers designed to record water depth & temperature over long periods. The instrument are housed in a rugged, double-sealed 316 stainless steel tube. Used in conjunction with the DCX-22 Baro Barometric Pressure Logger to compensate for changes in atmospheric pressure.

Submersible
pressure sensor

WaterLog Submersible Pressure Sensor

Water Level & Temperature Transducer

Specifically designed to measure ground & surface water pressure, temperature & levels, the WaterLOG® Submersible Pressure Transducer (H-3123) can transmit data digitally over cable lengths of up to 1000 feet (304.8 m). Its sleek stainless steel diaphragm & polyurethane vented cable, give the Submersible Pressure Transducer the durability it needs to survive rugged environments. Unique to the Submersible Pressure Transducer is the dry air moisture barrier system, providing atmospheric compensation with no on-site calibration required.

Features

- Linear deviation is less than 0.02%
- Accuracy over temperature range exceeds ±0.01 ft (3 mm) of water
- Stainless steel sensor diaphragm, ballast, & casting
- SDI-12 Output
- Polyurethane vented sensor cable is durable & rugged
- Dry air moisture barrier system provides atmospheric compensation
- No on-site calibration required

Amazon Water Level Bubbler

Amazon Water Level Bubbler

Continuous air bubbler with integrated high accuracy pressure sensor

Designed with simplicity in mind, the Amazon bubbler is the ideal system for long-term, water level monitoring sites. It can be used as a stand-alone system with internal data storage, or as a sensor connected to any manufacturers data logger. Easily configure & collect data using the browser-based graphical user interface with all standard web browsers on PCs, tablets & smart phones. It's rugged build, & technologically advanced system makes the Amazon Bubbler an attractive solution for real-time monitoring & data collection.

Features

- Stand Alone System - The Amazon can be used as a sensor connected to other recorder devises; data logger, PLC, RTU, etc. However, at a substantial cost savings, it can also be used as a stand-alone device, eliminating the need of an external recording device. Data values recorded by the Amazon can be copied directly to a USB Flash Drive & imported to the PC.
- Browser Based Software - The Amazon's initiative, easy to use software is browser based, which eliminates the need for proprietary software being installed on the PC. Access the Amazon software from any Internet device that has USB connection functionality.
- Communication - Multiple communication options are available to insure that the Amazon can interface with any data logger, PLC, or RTU. These options include; SDI-12, MODBUS (over IP or RS-485), & 4 to 20 mA. Via the Ethernet port, the Amazon can push data over the Internet directly to Storm Central, our data hosting solution.
- Measurement Range - Three range options are available to provide the highest measurement accuracy. With an industry leading accuracy of 0.02% of Full Scale; the 0 to 10 m range provides an accuracy of ±2 mm, the 0 to 20 m range has an accuracy of ±4.25 mm, & the 0 to 35 m range has an accuracy of ±7 mm.

Options

Option	Description
Amazon 150	15 PSI Bubbler
Amazon 300	30 PSI Bubbler
Amazon 500	15 PSI Bubbler with Display
Amazon 150-1	30 PSI Bubbler with Display
Amazon 300-1	500 PSI Bubbler with Display

Options

Accuracy

Pressure: Less than or equal to 0.02% of full scale

Autostable

Drift is less than ±0.05% of FSO per year

Measurement Range

0 to 15 PSI: Depth - 0 to 34.6 ft (10.54 m), Accuracy - ±0.007 ft (2.1 mm) 0 to 30 PSI: Depth - 0 to 69.20 ft (21 m), Accuracy - ±0.014 ft (4.26 mm) 0 to 50 PSI: Depth - 0 to 115.34 ft (35.15 m), Accuracy - ±0.02333 ft (7.11mm)

Operating Temperature

-40° to +60° C

Storage Temperature

-60° to + 80° C

Power

10.0 to 16.5 V DC

Size

12.25 in. L x 8.75 in. W x 5.75 in. H 311.15 mm L x 222.25 mm W x 146.05 mm H; Weight: 12.0 lbs (5.44kg)

Non-Contact Water Level Measurement

Global Water | YSI

WL705 Ultrasonic Water Level Sensor

Non-Contact Water Level Measurement

Uses the latest ultrasonic distance measuring technology for accurate non-contact water level monitoring. The sensor contains a rugged transducer in a stainless steel housing for long life. The WL705 provides the industry standard 4-20 MA output with 3 ranges available. Higher ranges are best for use in river, lake or open channel level measurements. Installation is simple & requires no programming, calibration or maintenance.

WL900 Radar Level Transmitter

Non-Contact Water Level Measurement

The WL900 Radar Level Transmitters offer a logical extension to ultrasonic devices, where application conditions are in need of non-contact liquid level measurement but ultrasonic level transmitter measurement is not acceptable. The WL900 Radar Level Transmitters are ideal for a variety of water & wastewater applications where you have a reflective liquid that has a foaming surface, vapors, or dusty conditions beyond ultrasonic transmitter capabilities.

WaterLog Shaft Encoder

Shaft Encoder with LCD Display

Designed specifically for measuring water level in a stilling well, the Shaft Encoders (H-3342) sturdy design incorporates the use a float & pulley to produce accurate data within minutes of installation. Now, with the use of magnetic sensors, the WaterLOG Shaft Encoder features minimize static sensitivity for enhanced performance.

Features

- Non-contact optical encoder preserves correct position even if the power is lost
- 65,536 counts per revolution
- Accuracy is 0.00024 ft. (.0073152 cm) 1 ft. (.3048 m) diameter pulley
- Max turns =±32,768
- Zero backlash
- SDI-12 & 4-20 mA output

WaterLog Non-Contact Radar Sensor

Non-Contact Water Level Measurement

Designed for non-contact water level measurement, the Nile Series (502/504/517) combines high accuracy with an out-of-the-box measurement range of up to 70 m. Its reliable interface & simple SDI-12 communication ensure seamless integration with current water monitoring stations.

Features

- High accuracy
- Out of the box measurement range of up to 70 m (Nile 517)
- NEMA 4x (IP65) enclosure is suitable for outdoor installations
- Frequency range 26 Ghz
- Low current operation (<13.5 mA)
- Continuous operation, no warm-up or "lock on"
- Mounting enclosures, radio communication links & other accessories are available
- Optional keypad display
- Integrated "NOAA" 3 minute & 6 minute measurement modes
- Multi-Echo Tracking
- SDI-12 & 4-20 mA output

Water Level & Oil Interface Tapes

Global Water

WL500 Well Level Sounder

Water Detection Unit & Measuring Tape Reel

The WL500 Well Level Sounder is designed to provide reliable & accurate measurements of groundwater levels. Water level readings are conveniently taken at the top of the casing with accuracy to within 1/100 of a foot.

Features

- Extremely durable Polypropylene storage reel with rugged solid aluminum frame
- Lightweight steel & aluminum storage reel option for easy transportation & durability in the field
- Highly accurate Polyethylene coated steel tape marked in engineering or metric increments
- Field serviceable 5/8" (1.59cm) probe with stainless steel conductors for durability
- An optional 3/8" (.95cm) non-field replaceable probe is available
- Adjustable sensitivity to prevent false triggering
- Audible & visible alarms activated when the probe makes contact with water
- Polypropylene storage reel standard lengths: 100' (30 m), 200' (60 m), 300' (100 m)
- Lightweight steel & aluminum storage reel: 500' (150 m), 750' (225 m), 1000' (300 m)

WL550 Oil Water Interface Meter

Hydrocarbon Detection Probe & Tape Measuring Reel

The WL550 Oil/Water Interface Meter can be used in numerous applications including measuring oil & water levels in monitoring wells, detecting tank leakage & obtaining accurate measurements of water levels. When the interface meter is lowered down a well & contacts the product layer, a solid tone & green light alarm is activated on the reel. When the probe detects water, the tone begins to oscillate & the light changes to red.

Features

- Highly accurate Kynar® coated steel tape marked in engineering or metric units
- Accuracy: 100th of a foot/100'
- Field replaceable probe is only 5/8" (1.59cm) in diameter
- Stainless Steel conductors for durability
- PTFE & stainless steel probe with ETP strain relief
- Audible & visible alarms activated on reel when the probe contacts product & water
- Auto shut-off circuit to extend battery life
- Polypropylene storage reel standard lengths: 100' (30 m), 200' (60 m), 300' (100 m)
- Lightweight steel & aluminum storage reel: 500' (150 m), 750' (225 m), 1000' (300 m)

WL650 Sonic Water Level Meter

Weather Resistant Housing

Global Water's WL650 Sonic Water Level Meter is a self-contained, battery operated meter that uses sound waves to measure well water level. Fast, accurate measurements are possible in the field or anywhere without the use of down-hole water level meters. The water level meter allows you to measure crooked wells, wells with cascading water, partially cased rock wells, wells with submersible pumps, capped or uncapped wells, wells with pipes & wires inside, in fact you can even measure the length of coiled pipe with the water level meter. As long as the obstructions take up no more than half of the bore area the meter will not suffer any loss of accuracy. The sonic water level meter should only be used on wells under 10 inches in diameter as the accuracy decreases with larger diameter wells.

Water Alarm & Pressure Products

Global Water

WA400 High Water Level Alarm
Weather Resistant Housing

Remote process control alarm for monitoring water quality parameters

Features

- Self-powered model for stand alone applications
- Bright strobe & loud sounder
- Easy to install just about anywhere
- Robust & reliable
- Choose the power option that best suits your application
- Integrates well with our water detection sensors, float switches, & controllers
- Hermetically sealed electric connectors (Super Purger)
- Reduces labor costs & saves time

PL200-G
Water pressure data logger

Records system or building water pressure from a standard garden hose connection.

Features

- Rugged & easy to use
- Records over 81,000 pressure readings
- Standard garden hose pressure connection
- Fast 10X/second recording mode to catch spikes & dips
- Includes user friendly Windows® software

PL200-H
Hydrant water pressure loggers

Water distribution system pressure recorder with standard hydrant connection.

Features

- Rugged & easy to use
- Records over 81,000 pressure readings
- Versatile ez-connector adapts to most thread sizes
- Fast 10 x per second mode to catch pressure spikes
- USB port works with any desktop or laptop PC
- Includes user friendly WindowsTM software

WA150 Tilt Float Switch
Liquid level float control sensor

Global Water's WA150 Tilt Float Switch is an inexpensive, efficient & highly reliable level detector for open vessels, sumps & ponds. The Tilt Float Switch's molded rubber float has an integral three conductor cable & operates on a micro-switch device that is located inside the rubber float on an anti-vibration mount. The WA150 Tilt Float Switch includes an adjustable cable weight, which allows it to be suspended from a convenient location above the water rather than having to tie it off at your desired actuation point.

Flow Probes FP111, FP211 & FP311

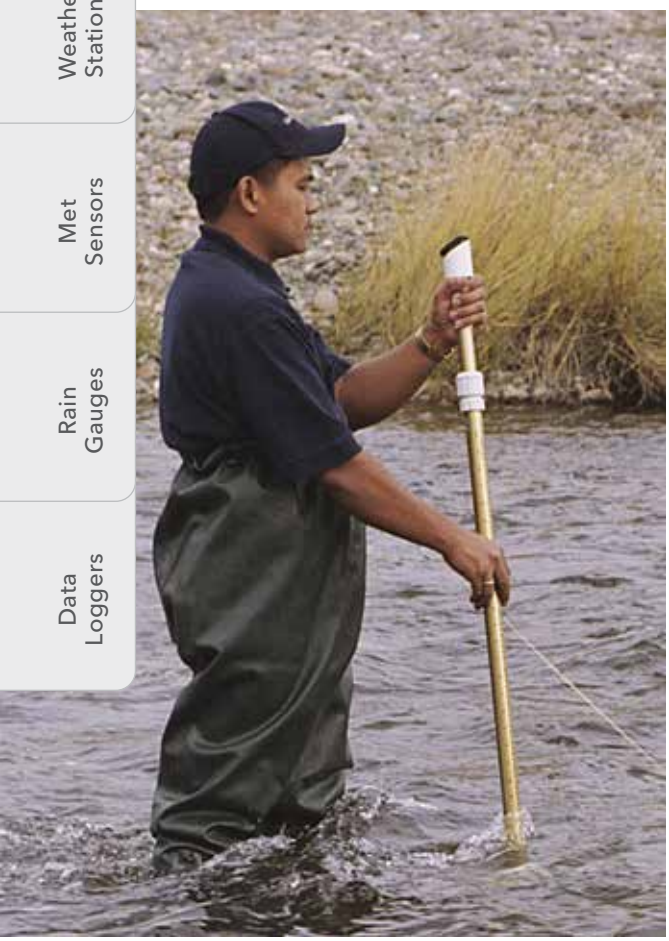
Global Water

FP111
Flow Probe

The Global Water Flow Probe is a highly accurate water velocity instrument for measuring flows in open channels & partially filled pipes. The water velocity probe consists of a protected water turbo prop positive displacement sensor coupled with an expandable probe handle ending in a digital readout display. The water flow meter incorporates true velocity averaging for the most accurate flow measurements. The Flow Probe is ideal for storm water runoff studies, sewer flow measurements, measuring flows in rivers & streams, & monitoring water velocity in ditches & canals.

Features

- Digital display in ft/sec or m/sec
- Records 30 data sets for later analysis
- Rain-proof digital computer
- Highly accurate easy flow monitoring
- Debris shedding turbo-prop
- Lightweight, rugged, & reliable
- Telescoping handle with staff gauge
- Padded carrying case for easy storage
- CE Certified
- Used by water professionals worldwide since 1990



Optional Alignment Fin

Significant errors can occur when measuring water flow other than directly parallel to the direction of flow. The Global Water Flow Probe Alignment Fin is designed to help orient the flow probe parallel to flow when the end of the probe can't be seen well due to the depth or cloudiness of the water.

Optional Swivel Head

The Flow Probe Swivel Head option allows you to rotate the flow probe's turbo prop to + 90 degrees from it's standard position. This option lets the flow probe take water velocity measurements in hard to measure areas such as vertical pipes on water tanks or swimming pool drainage systems.

Flow Measurement

Global Water

Fl16 Water Flow Loggers

Water Flow & Temperature in Partially Filled Stormwater or Sewer Pipes, Flumes, or Weirs

The FL16 Water Flow Loggers will record over 81,000 depth, temperature, water flow & velocity readings in sewer & drainage pipes, as well as other open channel applications such as flumes, weirs & square channels.

FL16 Water Flow Logger's user-friendly Windows-based software is tailored specifically for calculating water flows in partially filled sewer & drainage pipes using the Manning's Equation, with pull-down menus for selecting & entering the necessary information.

Reliable & accurate monitor for measuring & totalizing open channel flows for flumes & weirs, as well as for any gravity-type open channel flow application.

FC220 Open Channel Flow Monitor

Open channel flow measurement & meter total flows

Features

- 8-button keypad that easily guides you through the versatile
- setup menus
- Digital LCD screen that displays water flow up to 7 digits,
- Allows for large flows to be displayed & totalizer records
- Up to 9 digits.
- Easy to use interface with user selectable flow tables
- Water resistant enclosure
- Accepts any 4-20mA water level sensor's input
- Output signal for recorders & displays
- Non-volatile memory, password protected from reset
- Relay outputs for alarms, sampling, or data logging
- Water resistant enclosure
- Easy-to-use interface with user selectable flow tables

FP411 Handheld Velocity Meter

Compact Velocity Measurement System

Features

- The FP411 has all the same features of the popular FP111 but with a compact form factor
- The display comes with 8m standard but can be customised up to 100m.
- Useful for measuring the velocity of water in pipes & other tight spaces.

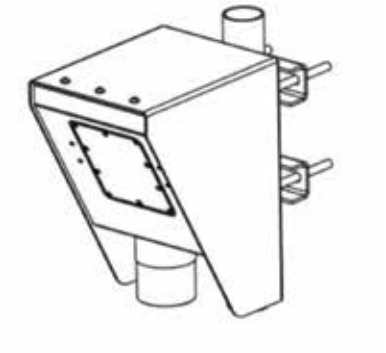
RVFM-2-W Surface Flow Velocity Meter

Global Water

Non-Contact Radar Surface Velocity Flow Measurement Solution

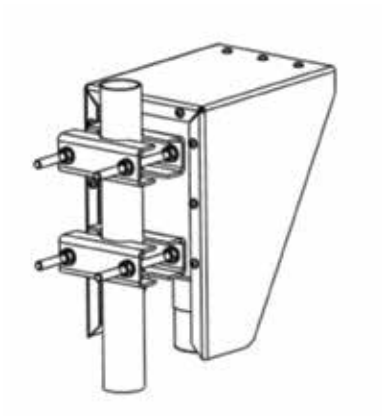
Surface Velocity & Water Level Measurement

The RVFM-2-W flow meter uses radar technology to provide precise contactless measurement of surface flow velocity. Contactless radar technology enables quick & simple sensor installation above the water surface, & requires minimum maintenance. The RVFM-2-W flow meter is used to monitor flow velocity of open channels such as rivers, irrigation channels or sewer systems, & for monitoring & control of hydropower plants & wastewater treatment plants. The flow meter is also suitable for various mass flow metering applications in mining processing plants, industrial installations, &, due to operation without moving parts & robust mechanical design, is ideal for measurement of flammable fluids & harsh chemical applications.



Features

- Contactless, above the water, flow measurement
- Built on robust radar technology
- Wide measurement range from 0,02m/s to 15m/s
- Long range operation up to 50m
- Compact, low-power design
- Wide input voltage range, suitable for solar applications
- Supports variety of communication interfaces (RS-232, RS-485, CAN, Alarm open- drain outputs)
- Optional SDI-12 support



Specifications

Surface Velocity Radar Type	K-band 24.125 GHz Doppler radar, 21 dBm EIRP
Surface Velocity Radar Beam Angle	12° Azimuth 24° Elevation
Level Radar Type	W-band 77-81 GHz FMCW radar
Level Radar Beam Angle	12°
Distance to Water Surface	Up to 50m
Detectable Measurement Range	0.10 to 15 m/s
Speed Range	0,02 m/s to 15 m/s
Speed Resolution	0,001 m/s
Speed Accuracy	+/- 1% FSR
Level Resolution	1 mm
Level Accuracy	+/-3 mm
Necessary Minimum Wave Height	3mm
IP Rating	IP68

Water & Wastewater Sampling Systems

Global Water

WS700, WS700R & WS755 – Sampling Systems
Portable & Fixed Composite & Discrete Samplers

WS700

WS700R

WS755

Global Water's WS700 single bottle & WS755 dual-bottle samplers combine all of the features you need to meet a wide variety of sampling requirements. Both models can be used in many surface water applications, ideally, river & stream sampling.

Features

- Easy transport-quick disconnect pickup hose conveniently stored inside the enclosure Refrigerated Wastewater Sampler
- Durable-heavy duty wheels & retractable handle built in
- Improved battery life-enclosed battery compartment with smart battery charger
- Rugged construction for harsh environments

Accessories & Parts

Order No.	Description
CTU000	Stormwater Kit
01-342	Quick Release Pump Head
FQ0000	9-Channel Data Logger
FR0000	3-Channel Data Logger, USB
FH0000	Solar Panel (5 watts, 300mA minimum)

SP– Series Portable Samplers
Portable, Rugged, Push-Button Water Samplers

The SP-Series Portable Samplers include the SP200 Variable Speed Peristaltic Sampling Pump, the SP250 Quick Release Sampler, & the SP100 Push Button Sampler. This sampler family is ideal for sample collecting within shallow lakes, ponds & holding pools.

Features

- Easy sample collection
- Rugged, lightweight, weather resistant enclosure
- Reversible motor to backflush hose

SP250
Best for fast tubing changes & reduced maintenance

SP200
Allows samples at any speed up to 500 ml per minute rate at 4 foot head

SP100
Easy push-button control for exact sample sizes

Water & Wastewater Sampling Systems

Global Water

FSS Sampling System

FSS – Sampling Systems

Monitor & Record Stormwater or Industrial Discharge Flow

A unique water monitoring package that includes an easy to use lightweight composite/discrete water sampler, an open channel flow monitor & dual displays & outputs with a data recorder that is both Windows™ & Windows™ CE compatible. System has over 20 pre-programmed flume & weir tables for ease of use & flexibility. The peristaltic pump prevents sample contamination. The FSS is portable & can easily be set up to take samples based on flow rates such as a stream monitoring application.

Accessories & Parts

Order No.	Description
00-010	Spare 12V Gel Cell Battery
329969	Battery Charger
00-835*	1- Gallon Glass Bottle
CA0600	Stainless Steel Suction Strainer
00-546	Suction Hose, per foo
00-744	Peristaltic Pump Tubing, per foo

*Only one glass bottle will fit in sampler case without removing battery

WQS

(WQS) Water Quality Sampling System

Sample water when a water quality parameter has been exceeded

Unique portable water quality sampler that includes an easy to use, lightweight composite/discrete water sampler, a water quality process controller with dual relay outputs, & a data recorder that is compatible with Windows ™ & Windows ™ CE. Easy set up based on sensor parameters, making the WQS ideal for identifying water quality trouble areas &/or triggering samples based on water level or weather factors.

WQS Features

- Easy to use four button interface with user selectable sensor types
- Rugged construction for harsh environments
- Scalable water quality triggers for taking composite samples
- Water quality sampler data recorder is Windows compatible

Accessories & Parts

Order No.	Description
DA0000	Water Temperature Sensor
DB0000	pH Sensor
DFH000	Turbidity Sensor
DCC500	Conductivity Sensor
DD0500	Optical D.O., 25 ft cable

RQPOD USV Sampling System

Remote Control Surveying Package

rQPOD

Modular package with all required hardware to transform the Torrent Board V7 into a remote controlled boat. Complete with wet-mate-able connectors, battery & navigation lights, the rQPOD has everything you need to create a lightweight, easy-to-use remote boat.

Top Speed	5ft/s (1.5m/s)
Duration	4 to 6 hours 1
Temperature range	14°F to 104°F (-10°C - +40°C)
Batteries	DJI Phantom 3 LiPO
Transmitter range	1,640ft (500m)
Transmitter make	Futaba T6K
IP rating	IP67

([1] at speed of 2.3ft/s (0.7m/s)

Torrent Board V7

The Torrent Board was developed in conjunction with a team of SonTek ADCP users to be deployed across a high range velocity conditions. The board comes "rQPOD ready" with pre-drilled mounting holes & capped cable runs for snag-free connection to the thrusters.

Length	Length 3.54ft (1.08m)
Width	2.13ft (0.65m)
Nose rocker	0.82ft (0.25m)
Weight incl. M9	21.6lbs (9.8kgs)[2]
Weight excl.. M9	10.4lbs (4.7kgs)
Transportation	Futaba T6K
IP rating	Soft carry case with shoulder straps & storage pockets

([2] 26.5 lbs (12kgs) with rQPOD)

Remote Surface Grab Sample Collection

Combining the Xylem Ai1 Monitoring System & the Xylem Global Water SP100, the rQPOD can be used to collect discrete water quality samples remotely. Each sampling location is georeferenced & sample volume activation & control is activated remotely via PC or Phone/Tablet. (Part Number: Samplersys)

Introduction to Water Quality Monitoring

Water quality is degraded when pollutants cause conditions to exceed an aquatic system's ability to balance the changes. Two major categories are: 'point source' pollutants from specific sources such as industrial pipes & 'diffuse land-based non-point source' pollutants carried to water bodies by runoff.

To identify, control, & remediate pollutants, water quality monitoring can occur continually at fixed sites to characterize waters & identify changes over time; at select sites on an as-needed basis to identify specific conditions; on a temporary basis to identify emerging problems; at random sites to gather information for broad programs; or in emergencies to respond to spills. Increasingly, monitoring is aimed at determining the condition of entire watersheds to address the impact of non-point source pollutants.

Collected & shared data informs pollution control & remediation plans, especially for watershed-wide decision-making. The EPA's STORET is one of the largest online systems for ambient water quality data. Various entities collect & enter data into the database, where raw data can be accessed. The EPA is currently updating STORET to address developing technologies & provide more flexibility for online users working with the data.

Sensor Summary

Features	Sensors					
	WQ101 Temperature 1	WQ201 pH 2	WQ-Cond Conductivity 3	WQ401 Dissolved Oxygen 4	WQ-FDO Dissolved Oxygen 5	WQ730 Turbidity 6
4-20 mA output	●	●	●	●	●	●
Fully encapsulated electronics	●	●	●	●	●	
Marine grade cable with strain relief	●	●	●	●	●	●
Stainless steel housing (guard sold separately)		●		●	●	●
Replaceable element		●		●	●	
Uses optical technology					●	●
1 year warranty		●	●	●	●	●

Water Quality Sensors

Global Water

WQ101 Temperature Sensor

Global Water's WQ101 Temperature Sensor is a rugged & reliable device for highly accurate submersible water temperature measurement. The sensor's probe is molded to 25' of marine grade cable, with lengths up to 500' available upon request. The WQ101 has a two-wire configuration for minimum current draw. The unit's electronics are completely encapsulated in marine grade epoxy within a stainless steel housing.

Specifications

Output	4-20 mA
Range	-50° to +50°C
Accuracy	±0.2°F or ±0.1°Cradar
Maximum Pressure	Open Water: 0 to 200 psi Online: 50 psi
Operating Voltage	10 to 36 VDC
Current Draw	Same as sensor output
Warm-up Time	5 seconds minimum
Operating Temperature	-58° to +212°F (-50° to +100°C)
Size of Probe	Open Water: ¾" dia. x 4½" long (1.9 cm dia. x 11.4 cm long) Online: 1.7" dia. x 8" long (4.3 cm dia. x 20.3 cm long)
Weight	Open Water: 8 oz (227 g) Online: 9.4 oz (272 g)

WQ201 pH Sensor

Global Water's WQ201 pH Sensor is a rugged & reliable water pH measuring device. The pH transmitter is mounted on 25 ft of marine grade cable, with lengths up to 500 ft available upon request. The sensor's output is 4-20 mA with a three-wire configuration. The WQ201's electronics are completely encapsulated in marine grade epoxy within a stainless steel housing. The unit also uses a removable shield & replaceable pH sensor element for easy maintenance.

Specifications

Output	4-20 mA
Range	0 to 14 pH
Accuracy	2% full scale
Maximum Pressure	40 psi
Operating Voltage	10 to 30 VDC
Current Draw	5.5 mA plus sensor output
Warm-up Time	3 seconds minimum
Operating Temperature	23° to +131°F (-5° to +55°C)
Size of Probe	Open Water: 1¼ in dia. x 10 in long (3.2cm dia. x 25.4cm long) Online: 2 in dia. x 12 in long (5cm dia. x 30.5cm long)
Weight	1 lb (454 g)

WQ401 Dissolved Oxygen Sensor

Global Water's WQ401 Dissolved Oxygen Sensor is a rugged & reliable water oxygen measuring device. The WQ401's sensor is attached to 25 ft of marine grade cable, with lengths up to 500 ft available upon request. The sensor's output is 4-20 mA with a three wire configuration. The sensor's electronics are completely encapsulated in marine grade epoxy within a stainless steel housing. The unit uses a removable shield & dissolved oxygen element for easy maintenance.

Specifications

Output	4-20 mA
Range	0 to 100% saturation, 0 to 8 ppm, temperature compensated to 77°F (25°C)
Accuracy	±0.5% full scale
Maximum Pressure	40 psi
Operating Voltage	10 to 36 VDC
Current Draw	15.5 mA plus sensor output
Warm-up Time	10 seconds minimum
Operating Temperature	-40° to +131°F (-40° to +55°C)
Membrane	0.001 FEP Teflon (standard)
Combined Error	2% full scale
Size of Probe	Open Water: 1 ¼" dia. x 11" long (3.2cm dia. x 27.9 cm long) Online: 2" dia. x 12" long (5cm dia. x 30.5cm long)
Weight	1 lb (454 g)

Water Quality Sensors

Global Water

WQ-COND Conductivity Sensor

The Global Water WQ-COND Conductivity Sensors are suitable for measuring conductivity in a wide variety of applications including laboratories, streams, rivers, & groundwater. The conductivity sensor's small size & rugged housing make it useful for hand held measurements or permanent installation. The conductivity sensors use a 4-electrode measuring technique that provides accurate readings over a wide range of conductivities & temperatures. Because the conductivity of ionic solutions increases with increasing temperature, a temperature sensor is also incorporated & is used to provide automatic temperature compensation of 2%/°C normalized to 25°C. An in-line interface module converts the digital conductivity sensor & temperature data into two separate 4-20mA signals for monitoring with data loggers & PLC devices.

Specifications

Conductivity Ranges	0 to 200 µS/cm 200 to 2000 µS/cm 2 to 20 mS/cm 20 to 200 mS/cm 200 to 2000 mS/cm
Temperature Range	23 to 158°F (-5 to 70°C)
Conductivity Accuracy	+0.5% of reading
Temperature Accuracy	+0.4°F (+0.2°C)
Conductivity Resolution	0.1 uS/cm 1 µS/cm 0.01 mS/cm 0.1 mS/cm 1 mS/cm
Temperature Resolution	0.02°F (0.01°C)
Output	Dual 4-20 mA
Temperature Response	99% in <20 seconds
Maximum Pressure	35 psi (82 ft (25m))
Immersion Depth	1.4 inches (36 mm)
Operating Voltage	10-36 VDC
Current Draw	20 mA plus sum of both sensor outputs
Warm-up Time	3 seconds minimum
Operating Temperature	23 to +158°F (-5 to +70°C)
Storage Temperature	-4 to +212°F (-20 to +100°C)
Dimensions	8 inch L x 0.86 inch Diameter (202mm L x 22 cm Dia.)
Weight	8 oz (227 g) plus cable

WQ-FDO Optical Dissolved Oxygen Sensor

The WQ-FDO Optical DO Sensor is an instrument designed for measuring DO concentrations in liquids. The optical DO sensors were developed to meet the requirements ranging from surface water monitoring programs to harsh waste water applications. The WQ-FDO has been specifically designed to meet the demanding requirements of the environmental monitoring & scientific research sectors, providing long term, accurate & reliable dissolved oxygen measurement. The sensor has extremely low power requirements & a 4-20 mA output making it ideal for incorporation into remote environmental monitoring installations.

Specifications

Dissolved Oxygen	Partial pressure: 0-400 mbar Accuracy: ± 0.5 % of value Repeatability: 0.01 ppm Response time: 90% in less than 60 seconds Sensor Drift: Less than 1% per year Temperature: Compensated 32 to 122°F (0 to 50°C)
Temperature	Accuracy: ±0.2°F (±0.1°C) Resolution: 0.02°F (0.01°C) Range: 32 to 122°F (0 to 50°C)
Max Pressure	35 PSI (25m/82ft water depth)
Output	Dual 4-20 mA (Partial Pressure & Temperature)
Operating Voltage	10 to 30 VDC
Current Draw	24 mA plus both sensor outputs
Warm-up Time	3 seconds minimum
Operating Temperature	23 to +158°F (-5 to +70°C)
Storage Temperature	-4 to +212°F (-20 to +100°C)
Dimensions	8 inch L x 0.86 inch Diameter (202mm L x 22 cm Dia.)
Weight	8 oz (227 g) plus cable

Water Quality Sensors

Global Water

WQ730 Turbidity Sensor

Global Water's WQ730 Turbidity Sensor is a highly accurate submersible instrument for in-situ environmental or process monitoring. Applications for the WQ730 include: water quality testing & management, river monitoring, stream measurement, reservoir water quality testing, groundwater testing, water & wastewater treatment, & effluent & industrial control. In accordance with USEPA Method 180.1 for turbidity measurement, the WQ730 Turbidity Sensors are a 90 degree scatter nephelometer. The WQ730 turbidity sensor directs a focused beam into the monitored water. The light beam reflects off particles in the water, & the resultant light intensity is measured by the turbidity sensor's photo detector positioned at 90 degrees to the light beam. The light intensity detected by the turbidity sensor is directly proportional to the turbidity of the water. The WQ730 utilizes a second light detector to correct for light intensity variations, color changes, & minor lens fouling.

Specifications

Output	4-20mA (Sensor, both ranges), LEDscreen (Meter)
Range	Sensor=0-50 NTU & 0-1000 NTU; Meter=0-50 NTU or 0-1000 NTU selectable
Accuracy	+/- 1% of full scale
Meter Resolution	12 bit
Operating Voltage	10-36 VDC @ 40 MS (Sensor); Internal 9VDC battery (Meter)
Method	Nephelometer with correction
Materials	306 stainless steel, delrin, polyether jacketed cable
Maximum Pressure	30 psi
Light Source	Infrared LED, (880nm)
Cable Length	Sensor=25 ft standard (optional to 500 ft)
Warm-up Time	5 seconds minimum (Sensor)
Operating Temperature	14 to 122°F (-10 to +50°C) (Sensor); 32 to 122°F (0 to +50°C) (Meter)
Size	Body= 1 1/2 x 8.5 inches (3.8 x 21.6cm) (Dia x Length)
Weight	1lb (454 g) (Sensor); 2 lbs (907 g); (Meter+sensor)
Current Draw	30 mA plus sensor output (Sensor)

Portable Turbidity Meter

The Global Turbidity Meter is a highly accurate device with a fully submersible sensor for in-situ environmental or process monitoring. The meter is provided with a padded carrying case & 25' of marine grade cable, with lengths up to 100' available upon request.

Specifications

Measurement Ranges	Sensor=0-50 NTU & 0-1000 NTU; Meter=0-50 NTU or 0-1000 NTU selectable
Output	4-20mA (Sensor, both ranges), LED screen (Meter)
Cable Length	Sensor=25 ft standard (optional to 500 ft)
Accuracy	+ 1% of full scale
Operating Voltage	10-36 VDC @ 40 MS (Sensor); Internal 9VDC battery (Meter)
Weight & Dimensions	Body= 1 1/2 x 8.5 inches (3.8 x 21.6 cm) (Dia x Length) 1lb (454 g) (Sensor); 2 lbs (907 g) (Meter+sensor)

Water Quality Monitoring Systems

Global Water

(WQMS) Water Quality Monitoring System

System for Monitoring Multiple Water Quality Parameters

Allows you to monitor multiple water quality parameters with a fully integrated, easy to use, economical system.

System Includes:

Multichannel datalogger (7 analog channels & 2 digital channels) for data recording, four of our rugged 4-20 mA water quality sensors for measuring water temperature, pH, conductivity, & dissolved oxygen. You can select up to 3 more analog sensors & up to 2 digital sensors to monitor additional parameters.

Features

- Monitor temperature, DO, pH, conductivity, & 5 additional parameters at the same time
- High quality, rugged sensors
- Battery powered for remote locations
- User-friendly Windows™ & Windows CE-based PDA software included
- Four sample modes: timed, 10 times per second, logarithmic & exception composite samples
- Both USB & serial communication ports
- Rugged, lockable, weather resistant enclosure

Water Quality Management System Datalogger

Accessories

Order No.	Description
FQ0500	Modem Package
DFJ000	Turbidity Sensor, 25 ft cable
DE0000	Redox/ORP Sensor, 25 ft cable
AIB025	Water Level Sensor, 15 ft range, 25 ft cable
EJ0000	Rain Gauge 6 inch
EK0000	Rain Gauge 8 inch
FN0000	Smart Charger
FH0000	Solar Panel (5 watt)
Storm3-00	Datalogger WiFi, Web Browser Interface
Storm3-05	Datalogger GSM-3G Cellular International

WE800 Weather Station

Global Water

WE800 Weather Station Data Logger

Weather Stations with fully integrated computer-based system for monitoring & recording weather conditions

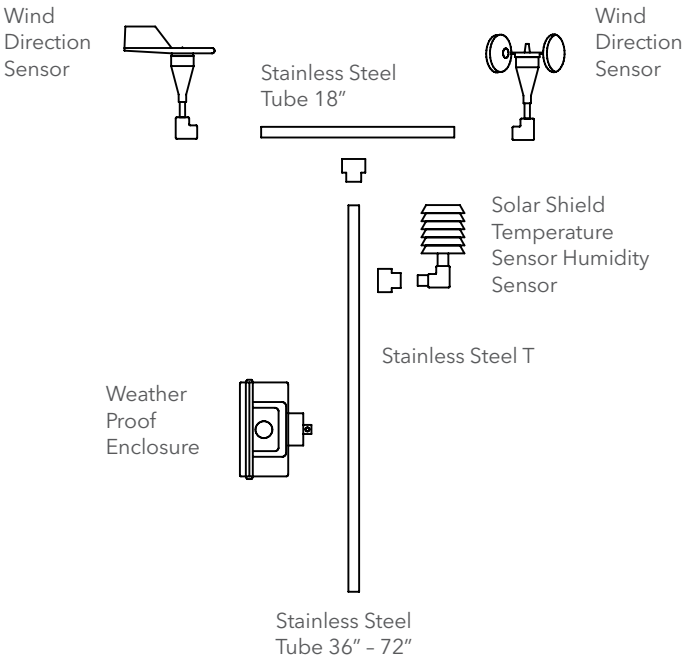
The WE800 weather station comes integrated with our multichannel datalogger for weather data recording & reporting. The system includes four rugged 4- 20 mA sensors for measuring wind speed, wind direction, temperature, & humidity. You can customize your station by adding additional sensors to monitor barometric pressure, solar radiation, leaf wetness, evaporation, rainfall, & more.

WE800
Weather Station

Features

- 7 analog channels & 2 pulse channels
- Datalogger enclosed within a sturdy weatherproof case
- Storing data & setting options made easy through user friendly software (included)
- View real-time data via computer software or download recorded data to your computer
- 12VDC 2A-H rechargeable battery
- Easy operation & fully assembled
- USB & serial communication ports

Weather Station Diagram



WE900 Weather Station

Global Water

WE900
Weather Station

WE900 Weather Station

Customizable Weather Monitoring Station to Integrate with Recording Systems

The WE900 is a 4-20 mA station that you can easily integrate with your existing data recording or control system. Like the WE800 the 900 comes with 4 rugged 4- 20 mA sensors for measuring speed, wind direction, temperature, & humidity.

Ideal for agriculture, education, environmental studies, landfills, reclamation, wastewater facilities, water conservation, & more.

Features

- Easy integration junction box
- 1 inch stainless steel tube mounting frame
- Customize to meet your needs

Accessories for WE800-900 Weather Stations

Order No.	Description
EI0000	Mounting Tripod
EA0000	Barometric Pressure Sensor
EB0000	Solar Radiation Sensor
EFA000	Surface Temperature Sensor
EP0000	Leaf Wetness Sensor
EM0000	Soil Moisture Sensor
EN0000	Evaporation Pan
AIA025	Water Level Sensor (3 ft range, 25ft cable)
EJ0000	Rain Guage, 6 in
EK0000	Rain Gauge, 8 in
FN0000	Smart Charger
FH0000	Solar Panel (5 watt)
FVE000	Wireless Communication
FM1000	Satellite Internet Telemetry

WE100
Barometric Sensor

WE100 Barometric Sensor

Barometric pressure meters & sensors for barometric pressure measurement

Highly accurate barometric pressure sensor that covers a pressure range from 800 to 1100 mb (23.6 to 32.5 inHg).

Features

- Accurate 4-20 mA output
- Marine grade cable with strain relief

WE300
Solar Radiation Sensor

WE300 Solar Radiation Sensor

Solar radiation sensors or pyranometers for sunlight measurement

A solar radiation sensor that is a precision pyranometer that uses a high stability silicon photovoltaic detector to obtain accurate readings.

Features

- Accurate 4-20 mA output
- Marine grade cable with strain relief
- Precision mounting equipment included

Met Sensors

Global Water

WE550
Wind Speed Sensor

WE550 Wind Speed Sensor

Wind speed alarms & wind speed recorders for wind monitoring

Highly accurate wind sensor that is constructed of high-impact materials, ensuring durability & ruggedness in severe weather conditions.

Features

- Fully encapsulated electronics
- Accurate 4-20 mA output
- Marine grade cable with strain relief

WE570
Wind Direction Sensor

WE570 Wind Direction Sensor

Wind direction transmitters & wind direction indicators for wind monitoring

Wind direction sensor designed to accurately measure wind direction even in the harshest environments.

Features

- Fully encapsulated electronics
- Accurate 4-20 mA output
- Marine grade cable with strain relief

WE600, 700, 770

WE600 Humidity Sensor

Humidity transmitters & temperature transmitters for weather monitoring

A humidity sensor that is accurate & long-lasting, composed of a solid state capacitive element with a linear amplifier.

Features

- Accurate 4-20 mA output
- Marine grade cable with strain relief
- Fully encapsulated electronics
- Protective solar shield optional (WE770)

WE700 Temperature Sensor

Temperature transmitters for weather monitoring

A precise & durable temperature sensor, precision RTD calibrated to US National Standards.

Features

- Accurate 4-20 mA output
- Marine grade cable with strain relief
- Precision mounting equipment included

Met Sensors

Global Water

WE710

WE710 Surface Temperature

Flat surface temperature sensors for remote monitoring

Features

- Accurate 4-20 mA output
- Marine grade cable with strain relief
- Mounts flush to measure surface temperature

WE770 Solar Shield

Features

- Ventilated sun shield with high reflectiveness
- Low heat retention
- Protects the humidity & temperature sensors from direct sunlight to ensure accuracy

Evaporation Monitoring

EP180

Global Water's EP180 Evaporation Pan is built to be compatible with all standard National Weather Service evaporation pan measurements: it is ten inches deep & has an inside diameter of 47½ inch.

Features

- Rugged stainless steel pan
- Compatible with standard National Weather Service measurements
- Use with our sensors & dataloggers to establish a complete monitoring system

EP180

Accessories

Order No.	Description
AIA025	Water Level Sensor (3 ft range, 25ft cable)
ARA025	USB Water Level Logger (3 ft range)
EJ0000	Tipping Bucket Rain Gauge, 6 in
EK0000	Tipping Bucket Rain Gauge, 8 in
FQ0000	9 Channel Global Logger
FR0000	3 Channel USB Global Logger
FS0000	3 Channel USB Serial Global Logger
EH0000	Weather Station with Datalogger
ER0000	4-20 mA Weather Station

Weather Sensors

Global Water

WX-700
Compact Weather Sensor

WX-700 Compact Weather Sensor

The WX Series Compact Weather Sensors are designed for robust & maintenance-free measurements in hydrology, meteorology & weather-critical applications where durability, precision & operations in different climatic conditions are expected.

Features

- Compact design
- Aluminum alloy with Teflon coating
- All-in-one weather measurements
- Choice of parameters to suit required applications
- Rainfall measurements by photoelectric or piezoelectric technique
- Built-in data pre-processing capability
- Universal interface & selectable output protocols
- Ease of use, install & integrate into 3rd party systems
- Low power consumption
- Options for analog outputs & heating

WX-500

Measures:
wind speed
wind direction
temperature
relative humidity
air pressure

Dimensions
H308xΦ160mm
Weight
1.4kg
Power
13mA @12V DC

WX-600

Measures:
wind speed
wind direction
temperature
relative humidity
air pressure
rainfall (piezoelectricity)

Dimensions
H318xΦ160mm
Weight
1.4kg
Power
16mA @12V DC

WX-601

Measures:
wind speed
wind direction
temperature
relative humidity
air pressure
rainfall (photoelectricity)

Dimensions
H350xΦ160mm
Weight
1.5kg
Power
55mA @12V DC

WX-650

Measures:
wind speed
wind direction
temperature
relative humidity
air pressure
solar radiation

Dimensions
H333xΦ160mm
Weight
1.4kg
Power
18mA @12V DC

WX-700

Measures:
wind speed
wind direction
temperature
relative humidity
air pressure
solar radiation
rainfall (photoelectricity)

Dimensions
H360xΦ160mm
Weight
1.6kg
Power
70mA @ 12V DC

Rain Gauges

Global Water

RG200

Rainfall Monitoring

Global Water's RG200/RG600 Tipping Bucket Rain Gauges are durable, accurate instruments. For each 0.01 inch or 0.25 mm of rainfall through the six or eight inch orifice, the sensor mechanism activates a sealed reed switch that produces a contact closure.

RG600

RG600

Features

- Constructed of anodized aluminum
- Reliable, highly accurate, & simple to operate
- Rugged & long lasting

RG200

Features

- Constructed of high impact UV-resistant plastic
- Reliable & highly accurate
- Simple to operate
- Ships with mounting brackets & 40 ft of two-conductor cable

WaterLog H-3401

SDI-12 Tipping Bucket Rain Gauge

Whether you're new at rain measurement technology or know the systems like the back of your hand, you'll love the features of the SDI-12 Tipping Bucket Rain Gauge (H-3401)–such as the built-in microprocessor that automatically corrects errors. It also has a magnetic reed bucket tip sensor & an internal leveling mechanism with a 'bulls-eye' level to ensure high accuracy data. The Rain Gauge is available in .01 in., 0.1 mm & 0.2 mm resolution ranges.

Features

- Two removable stainless steel funnel screens
- Rust-proof, powder painted aluminum enclosure & cast base
- Anodized aluminum or stainless steel internal parts
- Magnetic reed bucket tip sensor
- Internal leveling mechanism with 'bulls-eye' level
- SDI-12 output
- Built-in microprocessor automatically corrects errors

SDI-12 Output Data Parameters

1. Accumulated rainfall since last measurement
2. Raw bucket count since last measurement
3. Total accumulation
4. Total daily accumulation (today)
5. Total daily accumulation (yesterday)

Remote Monitoring & Controllers

Global Water

GL500-2-1

Three channel Datalogger for data recording. Features 2 analog channels & 1 digital channel for recording data. Ability to record over 81,000 readings in four unique recording options. Windows™ compatible. Includes Windows™ Global Logger II software for easy access & storage of data.

Accessories

Order No.	Description
FB0155	Water resistant Enclosure

GL500-2-1

GL500-7-2

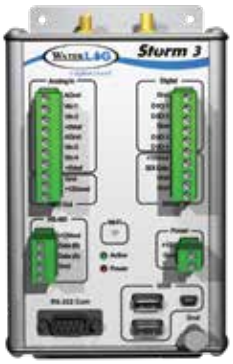
Multichannel Datalogger for Recording a variety of sensor signals. Features 7 analog channels & 2 digital channels for data recording. Ability to record over 40,000 readings in four unique recording options. Logger offers USB & RS-232 communication ports for easy communication with included Global Logger II software.

Accessories

Order No.	Description
FE0850	Water resistant Enclosure[1]
FL0000	Single Channel Display for Enclosure*
FH0000	Solar Panel (5 watt)
FN0000	Smart Charger

GL500-7-2

Storm 3 & Storm Cellular



Storm 3 Data Logger

Standalone or 3G Telemetry Data Logger

The Storm 3 data logger incorporates a balanced set of inputs for analog, digital I/O & SDI-12 smart sensors to allow communication through cellular modems & GOES satellite. You'll love how easy it is to configure & log data using the browser-based graphical user interface (GUI) with all standard web browsers on PCs, tablets & smart phones. You can also view your password-protected & public data anywhere with Internet access using our cloud hosted data collection solution Storm Central. Pair the Storm Central Data Collection Platform with the Storm 3 data logger & you've got one mean data-collecting machine that you can access anytime, anywhere.

Features

- GOES compatible
- Simple & intuitive browser-based Graphical User Interface (GUI)
- Direct connect or wireless (Wi-Fi)connection for the GUI interface
- Library-based sensor setup options
- Built-in help menus
- Two USB 2.0 compliant host ports (thumb drives & Wi-Fi adaptor)
- GSM & CDMA compatible
- One USB 2.0 compliant device port (communications)
- Low profile extruded aluminum case fits small spaces
- Wiring does not interfere with I/O labels
- Removable terminal strip connectors
- Power & Activity LEDs for visual indication of operation

Ai1 / All-in-One System

Ai1 / All-in-One System

All-In-One, rugged, remote monitoring

Ai1 is a completely integrated all-in-one system for remote monitoring, supporting almost any sensor combination. Ai1 includes everything required to transmit sensor data direct to your fingertips, with industrial reliability suitable for critical systems. Fully programmable, high efficiency solar power system, online communications, & industry leading web Scada interface, providing power & flexibility at every level.

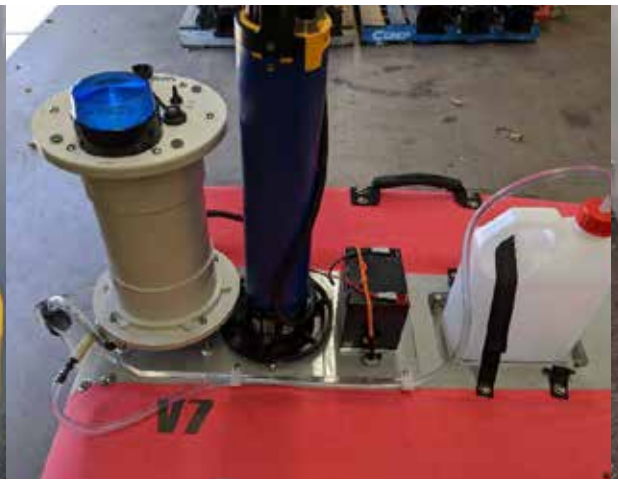
Features

All-in-one

- All-in-one design eliminates on-site engineering, & simplifies installation, typically performed safely by 1 person in less than 1 hour
- Everything included providing plug & play operation: customizable weatherproof housing, integrated solar power & battery backup system, datalogger, indicator lights, integrated communications system with global web-SCADA subscription
- Ai1 is fully programmable & configurable with sensors able to be added at any time
- Versatile mounting system allowing mounting to almost any surface

Industrial Grade Reliability

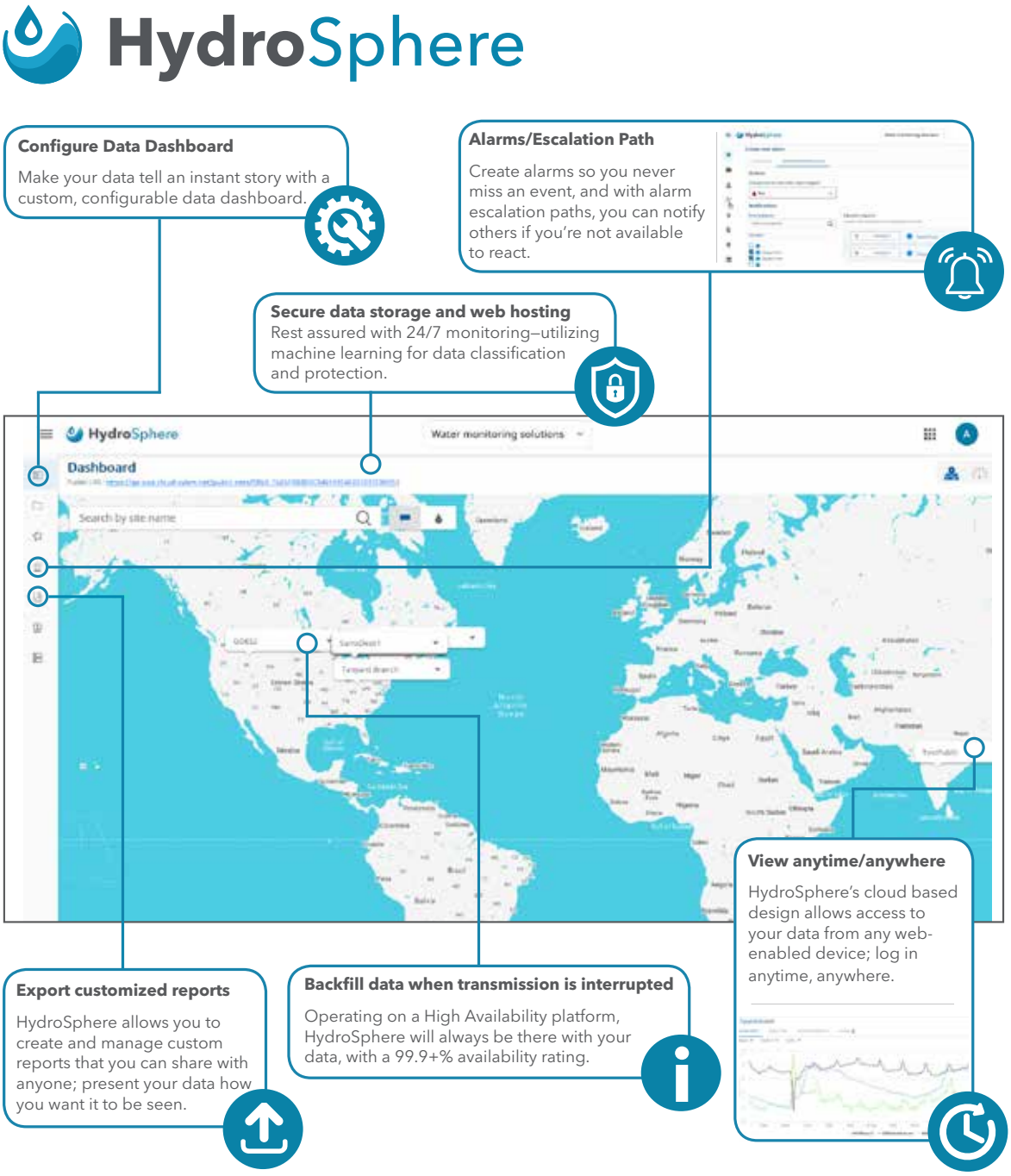
- A tightly integrated Campbell Scientific measurement module measures almost any sensor combination with versatile inputs supporting high accuracy (24-bit) analog voltages, 4-20mA current, pulse, frequency, & serial inputs (including multiple SDI12, Modbus, NMEA & RS232 ports).
- Fully programmable, supporting data concentration, event driven reporting, local control, intelligent power management, remote diagnostic tools & OTA (over-the-air updates), providing customization to suit any application or requirements & minimizing costly site visits.



HydroSphere

HydroSphere
Data Anytime, Anywhere

Hydrosphere is a scalable, collaborative data visualization platform for outdoor water monitoring.



Loggers - Autodialers - Communication

Global Water YSI

4015 Converter

Provides a highly accurate interface between an SDI-12 serial communications bus & an analog measurement system. The converter can either act as a SDI-12 master by polling a sensor on a timed basis, or it can act as a "listen only" external recorder that polls the sensor. High conversion accuracy. DIN rail mountable.

4046 Converter

Provides a highly capable interface to convert inputs from two analog sensors & one pulse counter to an SDI (serial data interface). The 4046 also provides internal measurements of battery voltage & ambient temperature. Programmable slopes & offsets. DIN rail mountable.

WaterLog H-4280 Signal Converter
8-Channel Analog to SDI-12 Interface

Features

- Converts analog signals to SDI-12 signal for any SDI-12 recorder
- Increase the number of analog sensors connected to a SDI-12 data logger
- Supports 0-5V & ±5V operations

SIT70 Satellite

An easy & economical way to collect environmental data remotely. The remote satellite telemetry system uses the latest satellite & Internet technologies to bring data to your computer in near real time. The satellite Internet telemetry system includes a data transmitter & a rechargeable battery enclosed in a rugged, rain proof, & lockable enclosure; a ground-to-satellite antenna; & mounting hardware.

Features

- Remote data & control anywhere – guaranteed!
- Receive data by Internet on your computer
- Near real time spreadsheet data & control
- Alarms by text to your cell phone or email
- Interface to almost any sensor
- Easy installation – just install antenna & turn it on

Accessories

Order No.	Description
FVX100	Solar Panel Mounting Kit
FH0000	Solar Panel (5 watt)
FN0000	Smart Charger
00-009	12V, 2.2 Ahr Battery for Datalogger

Xylem |'zīləm|

1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We're a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, & re-used in the future is central to our work. We move, treat, analyze, & return water to the environment, & we help people use water efficiently, in their homes, buildings, factories & farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands & applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to **www.xylem.com**

AANDERAA® HYPACK SonTek
Bellingham + Stanley® mjk® WTW®
-ebro- O·I·Analytical YSI
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