THE STORM SOLUTION

EASY-TO-USE DATA LOGGING & REAL-TIME DATA ACQUISITION

The WaterLOG® **Storm Solution** is a data collection system providing real-time data access from any computer or mobile device with an Internet connection. The system provides an easy to use, simple approach for remote hydrological and meteorological applications. Wherever your data loggers are located, their real-time data can be accessed 24/7/365–frequent visits to your site will become a thing of the past!

APPLICATIONS

Ideal for hydrological applications including irrigation, mining, aquaculture, surface/ground/waste/storm water, industrial control, meteorology and many others.

KEY FEATURES

STORM 3

- Simple and intuitive browser-based Graphical User Interface

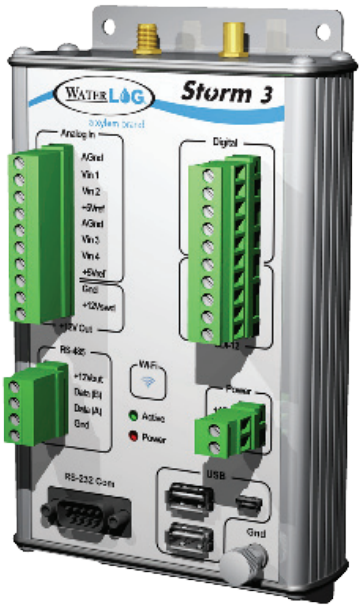
* See Storm 3 Brochure for detailed specifications of this data logger

TURN-KEY STATIONS

- Complete solution includes Data logger, modem, enclosure, battery, and solar panel

TELEMETRY/DATA COLLECTION

- Telemetry includes cellular modems, GOES communication, and other options
- Data collection provides cloud based data collection through Storm Central or local PC data collection through Storm Local



STORM 3

WATERLOG

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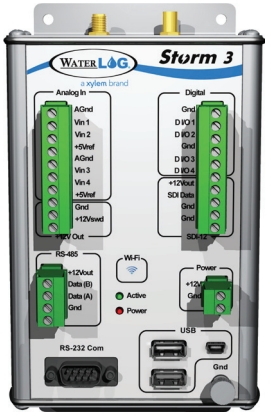
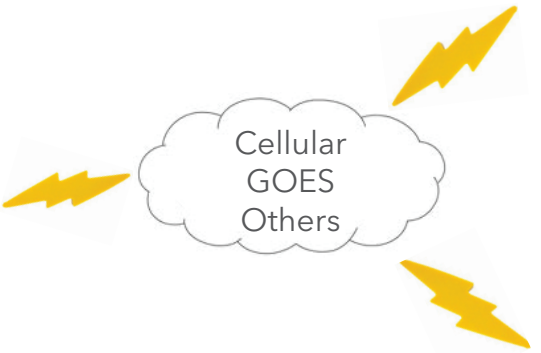
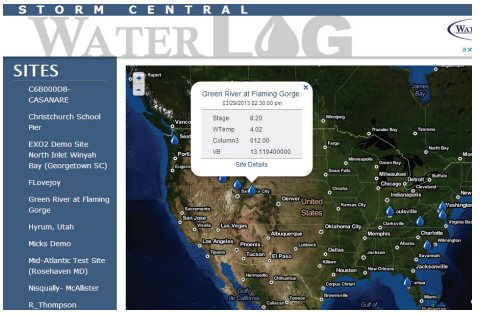
TELEMETRY AND DATA COLLECTION







Storm Central
(Cloud Server)

Storm Local
(Local Server)

WI-FI

Communicate with GOES satellite transmitters or cell phones throught the Wi-Fi interface. Changing parameters, programming or other specifics is quick and easy to accomplish.

CELL PHONE

Communicate to remote Storm3 sites using cell phones with GPRS/GSM, GPRS-3G or CDMA-1X technologies.

GOES COMMUNICATION

Integrate the Storm3 with a GOES satellite transmitter for remote applications. Integration can be accomplished within the same box as the Storm3 or through an external transmitter (H-2221).

OTHER TELEMETRY OPTIONS

Operate an ALERT or Line of Site (LOS) radio network with the Storm3 data logger. Send transmissions programmed on a scheduled time or upon an event that has occurred at the site. Reduce your overall project cost as well as simplify your installation with these other telemetry options. The Storm3 data logger will continue to progress and add additional telemetry options in the future.

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STORM CENTRAL / STORM LOCAL

WHICH IS RIGHT FOR ME?

Consider your application of the software to determine which is right for you. Storm Local operates similar to Storm Central with one major difference: Storm Central data is hosted on the cloud network, while Storm Local is hosted on a local server where the Storm Local software is installed.

STORM CENTRAL

Use this cloud hosted data solution to collect data, through push communication, from the Storm data logger in real-time. Communicate through devices such as cell modems, GOES and other transmitters.

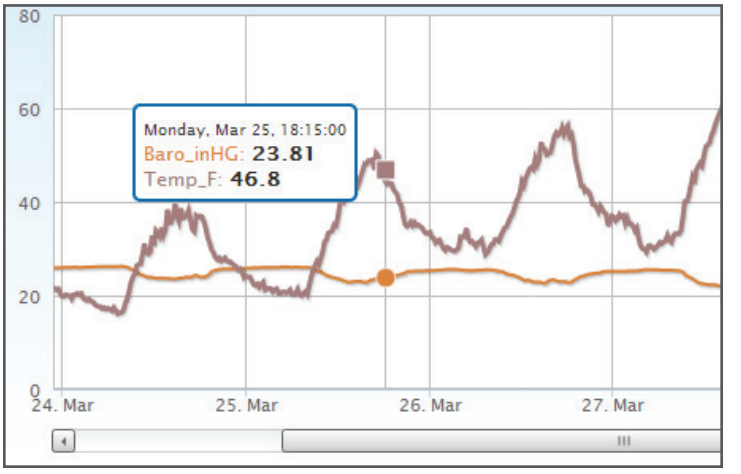
In addition, collect your GOES data from sites with GOES transmitters, and view immediately with the Storm Central interface. Data is presented in graphical as well as tabular format on the same page.

STORM LOCAL

Unlike Storm Central, which provides the user cloud hosted data, Storm Local is installed on a local PC and hosted on a local server. Storm Local features can be added as needed to provide additional functionality such as retrieval of GOES data. Data can be accessed by polling the Storm3 site through the PC, Smart Phone or Tablet.

ALARM NOTIFICATIONS

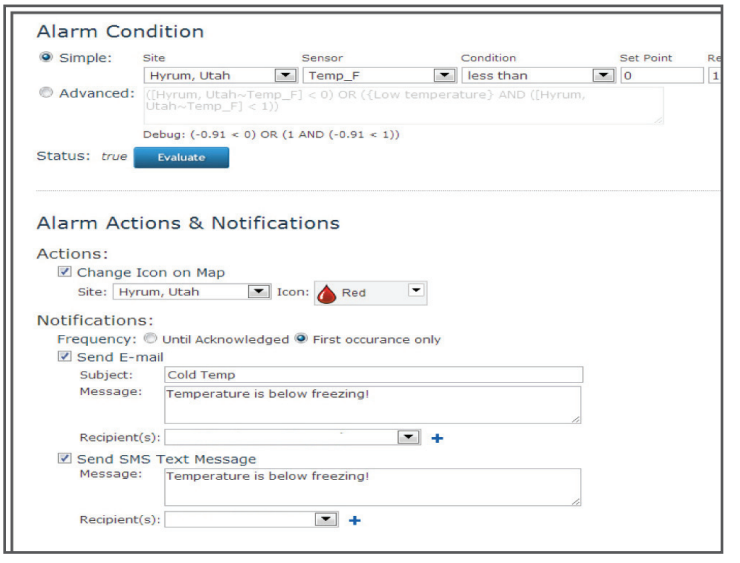
Generate simple-to-complex alarm conditions based on the data collected in both Storm Central and Storm Local. Receive notifications of alarm conditions via email, SMS text message or through color change of map icons.



DATA GRAPHING

Date	Time	Sys_TempF	RH	WS-WD(WS)	WS-WD(WD)	Slr_Wm2
03/29/2013	09:00:00	47.30	69.664	0.000	0.120	282.73
03/29/2013	08:45:00	42.80	63.888	0.000	0.110	127.78
03/29/2013	08:30:00	36.50	74.417	0.000	0.110	113.27
03/29/2013	08:15:00	32.90	74.525	0.000	0.100	117.70
03/29/2013	08:00:00	29.30	84.342	0.000	0.120	76.50
03/29/2013	07:45:00	29.30	83.739	0.000	0.100	22.76
03/29/2013	07:30:00	29.75	86.057	0.000	0.110	13.26
03/29/2013	07:15:00	33.35	83.554	0.000	0.110	5.93
03/29/2013	07:00:00	32.90	79.216	0.000	0.110	2.80
03/29/2013	06:45:00	32.90	69.153	0.000	0.100	2.77
03/29/2013	06:30:00	32.90	74.948	0.000	0.100	2.76
03/29/2013	06:15:00	32.90	77.308	0.000	0.100	2.76
03/29/2013	06:00:00	32.90	80.109	0.000	0.110	2.77
03/29/2013	05:45:00	32.45	79.835	0.000	0.110	2.76

TABULAR DATA



ALARM SETUP

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TURN-KEY STATIONS

Storm Turn-Key Stations are available with three modem options or GOES. All Turn-Key Stations include hardware and and one year of Professional Data Management Service. Customer is responsible for verifying cellular coverage at deployment site before ordering.

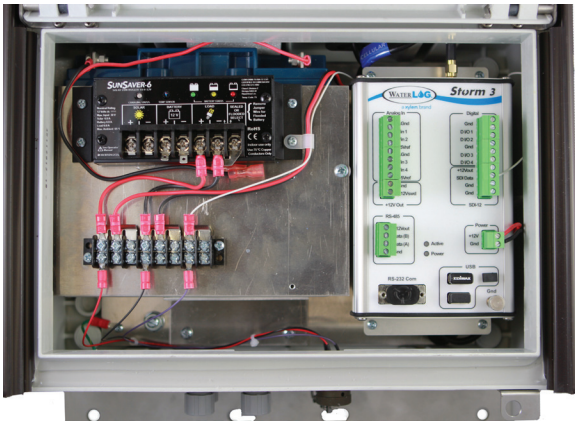
HARDWARE

Turn-Key Stations include the following hardware components:

- Storm 3
- Modem of choice
- Fiberglass Enclosure (14x10x6) with panel and mounts
- 18 Ahr Battery
- 20 Watt Solar Panel and mounts
- Nema 4x
- 5 outlets

CELLULAR MODEM OPTIONS

- GSM/GPRS Modem supporting Quad-band GSM/GPRS operation
- GSM/3G/4G modem supporting Penta-band HSPA+ and Quad-band GSM/GPRS/EDGE operation
- CDMA-1x modem supporting CDMA2000 1xRTT operation



Storm3-01-TK

ORDERING GUIDE	
Storm Local	Send new programs to the system, schedule data retrieval for systems and schedule data using this base station connect and scheduling software. Per PC License-hosts infinite number of stations.
SL-GOES	Collect data from reliable websites and decode binary / ASCII data using this Storm Local add-on. Includes interactive graph of site data, header information and GPS sync status. Allows user to download data into other databases or software for reports. Note: requires Storm Local license
SL-Cell	Professional hosted access node hosting for first year.
SC-GOES	Professional hosted access node hosting for first year.
Modem-Act	GSM or CDMA cellular service fee–one year, 5MB.
SC-Cell/Act	GSM or CDMA cellular service fee–one year.
TK-1	Fiberglass enclosure for Storm 3 and Storm 3 versions 01/02/03. Includes panel and mounts, 18 amp hour battery, 20 watt solar panel and mount with solar regulator. Enclosure dimensions: 14 in. L x 10 in. W x 6 in. H
TK-2	Fiberglass enclosure for Storm 3 versions 01-S/02/03. Includes panel and mounts, 18 amp hour battery, 20 watt solar panel and mount with solar regulator. Enclosure dimensions: 16 in. L x 16 in. W x 8 in. H
MISCELLANEOUS	
Warranty	The Storm series of data loggers are warranted against defects in materials and workmanship for two years from the date of shipment.
Note	All renewals will be automatically activated and invoiced for continuing years of service based on ship date. Annual price per site and one activation required per station. A written cancellation notice must be received 30 days prior to renewal date.
	Specifications subject to change without prior notice due to on-going commitment to product testing and improvements. LR September, 2014 (D16-04 0914)

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