

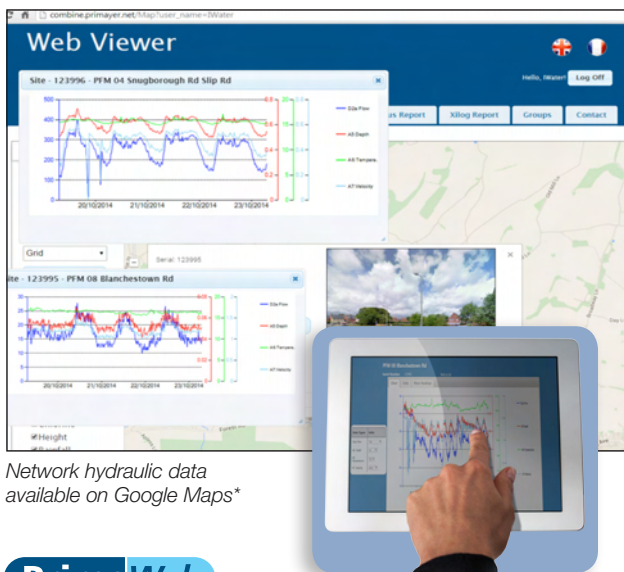


Water network data logging with 3G, GPRS and SMS communications

XiLog+ is an advanced range of data loggers with remote communications options. It is available in single to nine channel models for use with a wide variety of sensors for clean and waste water network monitoring. Data is available via *PrimeWeb*.

Features

- One, two, three and nine channel models
- High performance state-of-the-art below ground antenna
- Data available 'on-line'
- Data transmission down to every 15 minutes (needs external power)
- Profile alarms with separately defined high and low profiles
- Wide range of sensors and high accuracy
- Powered for up to 5 years (depends upon sensors and configuration) + external battery and mains powered options
- Robust and waterproof to IP68



Network hydraulic data available on Google Maps*



Water network on-line data access



- XAP Display**
Portable USB display for use with all *XiLog+* data loggers, provides on-site information.
- Current value for each channel
 - Last minimum daily flow
 - Site name
 - Logging interval
 - Battery level

Data Transfer

Loggers may be configured to use 3G/GPRS or SMS remote communications for periodic reporting. Transmission period can be set from 15 minutes to 24 hours. The state-of-the-art antenna enables *XiLog+* to operate from below ground in most locations. In areas of poor cellular coverage external antenna options are available. Local data transfer via USB.

Logging

Flexible logging memory and configuration;

- Memory size; 2 Gbyte
- Measurement interval; 1 second - 24 hour
- Logs at different intervals on same input
- Logs daily minimum, maximum and totals
- Event logging

Applications

- District flow, leakage and consumption monitoring
- Pressure monitoring
- PRV performance
- Reservoir / bore-hole depth
- Rainfall
- Overflow detection
- Open channel flow measurement



Flow

The flow input can log two uni-directional flows or one bi-directional flow. Also, both outputs from combination meters can be logged on one logger input channel. Existing meter index value can be entered at start of logging.

Pressure/Depth

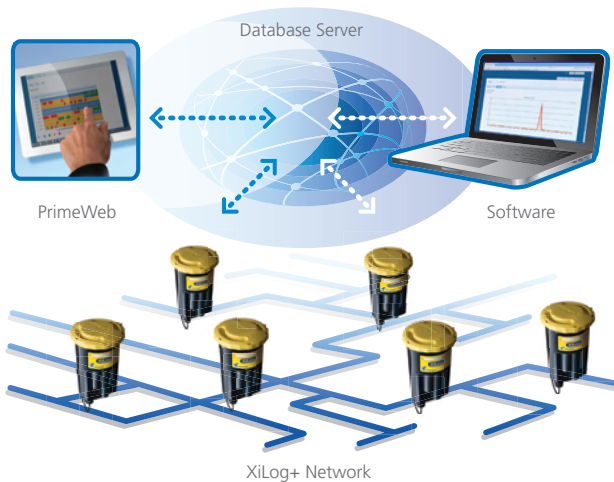
Accuracy is to $\pm 0.1\%$ (of full scale). The offset of the transducer is corrected by an *Auto Zero* facility. Some *XiLog+* models are available with internal pressure transducers and other variants will accept a range of external pressure and depth transducers.

Level and Open Channel Flow

Open channel flow velocity is measured using a Doppler sensor connected to the *XiLog+2W*. This sensor also measures depth. The level in open channels, reservoirs, weirs, boreholes, etc, can be measured using ultrasonic or radar sensors connected to the *XiLog+2* and *XiLog+2W*.

Multiple applications

The *XiLog+9* model has multiple flow (pulses), voltage and current inputs for flexible use.



Models

It should be noted that each model below is available as GPRS, 3G/GPRS and 3G (USA) variants and also with multiple antenna options.

Models	1F	1P	2	2i	2W	3i	9
Bi-directional flow channels - uni-directional flow channels in ()	1(2)	-	1(2)	1(2)	-	1(2)	2(4)
Analogue channels	-	-	1	-	1	-	4 x Voltage, 3 x mA
Internal pressure channels	-	1	-	1	-	2	-
RS485 (Nivus KDO Doppler/Modbus RTU)	-	-	-	-	1	-	-



Events

- Rainfall - 0.1, 0.2, 0.5 mm/tip
- Overflow - time/period of tank or reservoir overflow

Alarms

- Alarm exceeding threshold (+ deadband)
- Profile alarms (high/low profiles may be defined independently)
- Alarm on change-of-state



Products

XiLog+ 1F	NXG 201
XiLog+ 1P	NXG 202
XiLog+ 2	NXG 203
XiLog+ 2i	NXG 204
XiLog+ 2W	NXG 206
XiLog+ 3i	NXG 205
XiLog+ 9	NXG 301

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