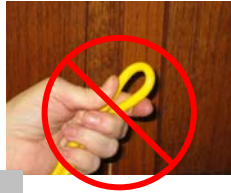# *Quick Reference*   WL16 Level Logger   Rev. B

Pressure transducer and data logger with customized Global Logger software for use on Windows, can record Level or Pressure data at regular intervals.

Basic Setup & Operation:

• Ensure that the cable is handled and stored with large loops and NOT KINKED (which blocks the barometric compensation tube).

Big Loops, No Kinks

Cable Too Long?
Refer to operations manual or website
for tips on how to safely cope with extra cable.

• The Data Logger intentionally fits into 2-inch PVC pipe. If the well casing is larger, simply use a reducer to accommodate a short section of 2-inch pipe to house the Data Logger. A locking, protective metal Well Cap is optionally available.

• It is not necessary to locate the sensor at the well's bottom – merely below the lowest likely water level. DO NOT EXCEED THE MAXIMUM RATED DEPTH OF THE SENSOR OR IRREPARABLE DAMAGE TO THE SENSOR MAY OCCUR!
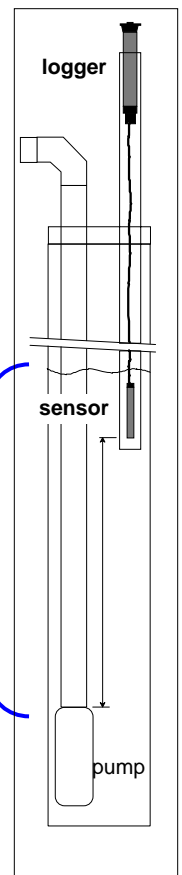
• Avoid error & cable entanglements by installing sensor **at least 10 ft above the well pump**.

A Note on Battery Life:

The 9-volt batteries in the Logger will last months in normal usage - the connection to a computer or PDA to collect readings has a slight draining effect. We recommend the use of Lithium batteries for their improved performance in extreme environmental conditions. Consider your timing of battery changes to maximize performance, utilizing the battery-monitoring channel of the Logger to collect battery drain data.

Sensor >10 ft above pump

logger

sensor

pump

Open-Channel Installations:

• Keep debris, silt or mud away from sensor (eg: Open Channel installations) by housing sensor in **perforated conduit** or wellscreen.

• **Use Long-Sweep Elbows** (PVC conduit fittings) to ease cable deployment through conduit for riverbank monitoring of flow / level in open channels.

Frequently Asked Questions:

Q1) Indicated water level stays the same, even when depth of sensor is changed

   A1)   Verify displayed unit are correct for the sensor (EU range in calibration menu) – adjust as required and check readings again.

   A2)   Recalibrate level sensor and recheck readings.

Q2) Indicated water level is not stable

   A1)   Check vent tube in logger to see if it is clogged or contains water – remove clog or pull sensor and let dry (see manual).

   A2)   If applicable, verify logger housing is installed into a vented pipe (cannot be completely sealed).

Q3) Communications failure

   A1)   Verify the correct port and baud rate have been selected when connecting with Global Logger software.

   A2)   Verify logger board/housing is dry inside – dry out board/housing before connecting.

   A3)   Reinstall USB driver (if applicable) or disable conflicting software port connection

   A4)   If dampness persists in housing, add small desiccant packages in housing to help absorb moisture buildup.

Q4) Negative level readings

   A1)   Recalibrate the sensor (see manual for procedure).

Q5) PDA memory issue

   A1)   Delete unused files from PDA to free memory space.

Q6) PDA battery drains too fast

   A1)   Remove external flash card when not in use (if applicable) – flash card draws power from PDA.

Q7) PDA program or communications error

   A1)   Verify baud rate is set to 57,600.

   A2)   Verify PDA is a supported model – check in manual or on the Global Water website at: http://www.globalw.com/support/PDAlist.html.

Q8) Start/Stop alarm does not trigger new readings after 1 cycle

   A1)   The alarm start/stop settings are one-time trigger only (will not trigger more than once).

* If any of the above suggestions do not resolve the issue, please contact Global Water Technical Support.

Global Water

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