A Guide to Levelogger Deployment & Communication
**Deployment Options**

**Wireline/Kevlar Cord Deployment**

Use this method when you wish to minimize up front costs, and pre-program Levelloggers in the office. Lower into the well, suspended on wireline or Kevlar cord from a Solinst 2" (4" with reducer) Lockable Well Cap.

*The Solinst Lockable 2" Well Cap when used with a stainless steel wireline and hook, or a Kevlar Cord.*

**Direct Read Cable Deployment**

Use this method when you want direct communication with your Levelogger while it is deployed, and to view real-time readings. Deploy with Direct Read Cables using a Solinst 2" (4" with reducer) Lockable Well Cap.

*The Solinst 2" Lockable Well Cap has openings for two Direct Read Cables and an opening for other monitoring equipment, such as a Water Level Meter.*

**Monitoring Artesian Conditions**

Solinst offers an assembly for monitoring artesian wells. It provides options for in-well, and top of well installation, and can accommodate the use of Direct Read Cables.

*Keval is a registered trademark of DuPont Corp.*

*High Quality Groundwater and Surface Water Monitoring Instrumentation*
Communication Options

Communicating with Solinst Levelogger PC Software

Standard (Wireline/Kevlar Cord) Communication
To retrieve data or re-program, remove the Levelogger from the well and use an Optical Reader attached to a portable or office computer.

In-field Communication

Levelogger App Interface connected to a Direct Read Cable provides a wireless Bluetooth® connection between the Levelogger and the Solinst Levelogger App on your iOS or Android™ smart device, for programming or downloading data.

Direct Read Communication
Pre-program Leveloggers in the office using an Optical Reader. In the field use a laptop and PC Interface Cable, to program, view or download data. The Direct Read Communication Package from Solinst includes an Optical Reader and PC Interface Cable.

A DataGrabber connected to a Direct Read Cable allows Levelogger data to be copied to a USB memory key.

A Direct Read to Optical Adaptor allows direct connection of a Levelogger to a Levelogger App Interface or DataGrabber for programming or downloading data in the field. This is useful for Leveloggers not deployed using a Direct Read Cable. A slip fit version is also available.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Solinst Canada Ltd. is under license. iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license. Android is a trademark of Google Inc.
Remote Monitoring Options

Solinst Telemetry Systems

Solinst has options for wireless remote communication using cellular or radio telemetry. Real-time data is sent from field-located Leveloggers to your office PC or smart device.

The LevelSender uses GSM cellular communication to send Levellogger data to your Home Station PC and smart device using email or SMS. Fits in a 2” well.

STS Telemetry Systems use GSM/CDMA cellular communication to send remote water level data from Leveloggers to a Home Station PC.

RRL Remote Radio Link uses short-distance radio to send remote water level data from Leveloggers to a Home Station radio connected to a PC.

Solinst Leveloggers are able to communicate with third-party dataloggers using SDI-12 protocol, by connecting a Levellogger’s Direct Read Cable to a Solinst SDI-12 Interface Cable.

For Information on deploying the Rainlogger Edge, see our Rainlogger Edge Setup document.

For information on deploying your Leveloggers in surface water applications, see our Long-term Open Channel and Surface Water Monitoring with Leveloggers technical bulletin.

Always ensure proper maintenance and care of your Levellogger, see our Ensuring Proper Use and Maintenance of Leveloggers technical bulletin.

NOTES: