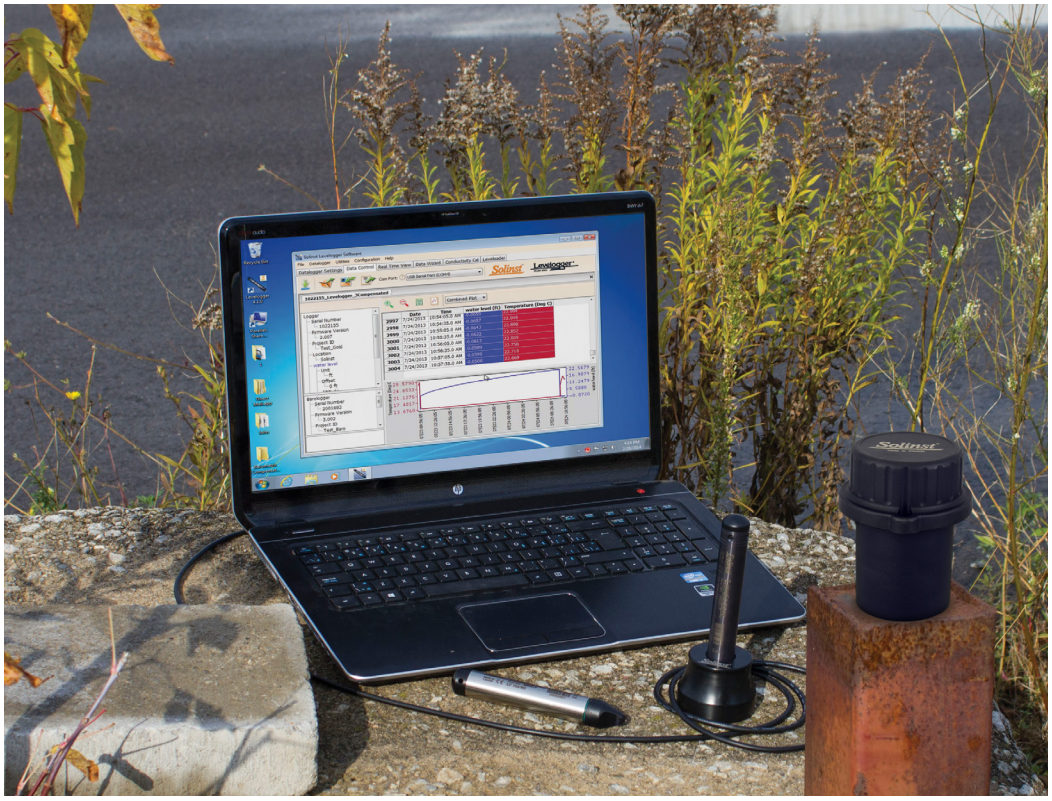
Solinst®

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 Leveloggers 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.

Stainless Steel Wireline Cable Spool and Hook.

Spool of Kevlar Cord.

Direct Read Cable Deployment

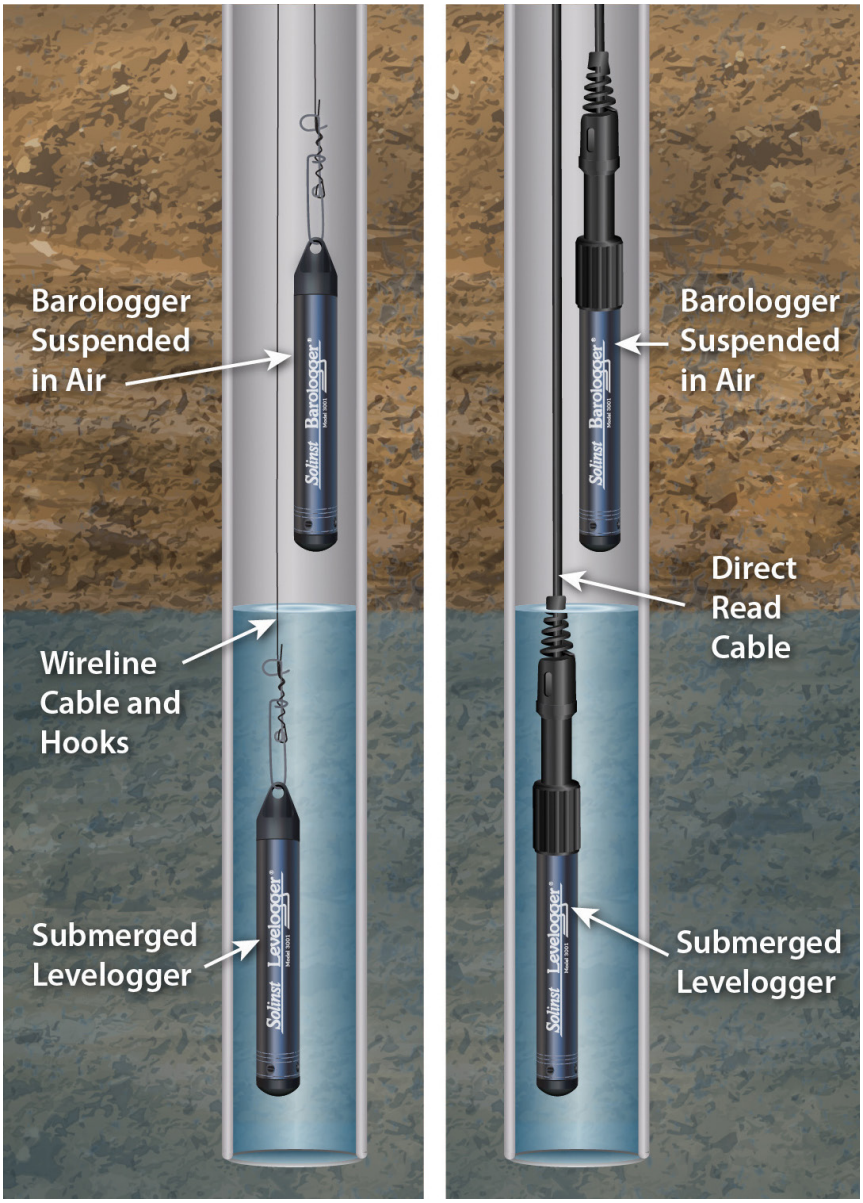
Use this method when you want direct communication with your Levelogger while it is deployed, and to view real-time readings. Deploy with Direct Read Cables using a Solinst 2" (4" with reducer) Lockable Well Cap.

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.

Direct Read Cables are available in lengths up to 1500 ft (450 m).

A Support Hanger Bracket provides an option for supporting and organizing down well wires or cords, or for coiling extra Direct Read Cable if the full length is not required.

® Kevlar is a registered trademark of DuPont Corp.



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.

Levelogger Artesian Well Fitting

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.

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.

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.

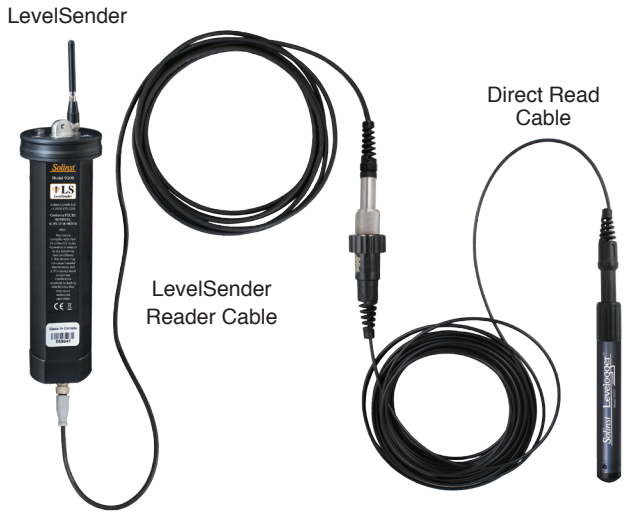
A DataGrabber connected to a Direct Read Cable allows Levelogger data to be copied to a USB memory key.

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.

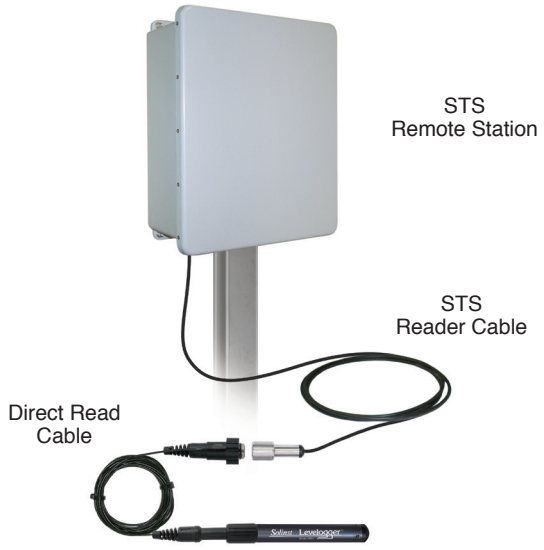
Remote Monitoring Options

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 Levelogger 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 Levelogger's Direct Read Cable to a Solinst ***SDI-12 Interface Cable****.*

NOTES:

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 Levelogger, see our *Ensuring Proper Use and Maintenance of Leveloggers* technical bulletin.

Printed in Canada
October 26, 2016

For further information contact: Solinst Canada Ltd.
Fax: +1 (905) 873-1992; (800) 516-9081 Tel: +1 (905) 873-2255; (800) 661-2023
35 Todd Road, Georgetown, Ontario Canada L7G 4R8
Web Site: www.solinst.com E-mail: instruments@solinst.com