Solinst 114630 Levelogger 5 Optical Adaptors User Guide

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Contents

Minimum Requirements

Required	**Levelogger Datalogger** Variable Part Numbers	Your choice of datalogger will be based on: - Parameters to be monitored (temperature, water level, conductivity) - Accuracy required - Anticipated maximum submergence dept - How long you will be monitoring (do you need a Barologger, more robust memory, longer battery life?) - Type of sampling required (linear, event-based, scheduled)	
Required	**Levelogger Software** **Free Download**	Levelogger PC Software is available as a free download at **http://downloads.solinst.com/** - Program and start your datalogger with your desired sampling regime and memory mod - View real time data - Download, view, save or export logged data - Access utilities: Diagnostic, Firmware Upgrades, Conductivity Calibration	**OR**
Required	**Desktop Reader 5** 114404	The Desktop Reader 5 provides the most stable communication between the Levelogger datalogger and the Levelogger PC Software. *Alternatively, you can use a Field Reader 5 for this same purpose	
	Field Reader 5 114403	*The Field Reader 5 is an alternative option to the Desktop Reader 5 for connecting your Levelogger to a PC for communication with Levelogger Software. It can be more convenient when connecting to Leveloggers in the field and when calibrating a Levelogger 5 LTC.	

Deployment Options

Optional	**Wireline/Kevlar Rope** Variable Part Numbers	Use this method when you wish to minimize up front costs, and pre-program Leveloggers in the office and not require direct communication with the datalogger while it is deployed.
Required if direct communication to a deployed Levelogger is needed	**L5 Direct Read Cable** Variable Part Numbers	Use this method when you want direct communication with your Levelogger while it is deployed, and to view real-time readings. Avoid removing the datalogger from its deployment, saving time in the field.

In-field Communication Cables/Adaptors

Required if using Direct Read Cables	**PC Interface Cable** 109609	A PC Interface Cable is used to connect to the Direct Read Cable of a deployed Levelogger and your PC for communication with Levelogger Software.	
Required if not using Direct Read Cables, but wish to connect to an in-field communication device	**L5 Threaded and Slip Fit Optical Adaptors** 114630 114598	An L5 Threaded or Slip Fit Adaptor allows direct connection of a Levelogger to a Levelogger 5 App Interface, SRU, DataGrabber 5, or PC Interface Cable.	

In-field Communication Devices

Optional	**DataGrabber 5** 115007	A DataGrabber 5 connects to an L5 Direct Read Cable or Optical Adaptor to allow Levelogger data file to be transferred and saved to a USB drive. No access to Levelogger settings.
Optional	**SRU (Solinst Readout Unit)** 115115	A Solinst Readout Unit (SRU) connects to an L5 Direct Read Cable or Optical Adaptor and displays instant water level readings from the connected Levelogger, performs real-time logging, provides Levelogger status, and allows saving and downloading of data to the SRU. No access to Levelogger settings.
Optional	**Levelogger 5 App Interface** 115009	A Levelogger 5 App Interface connects to an L5 Direct Read Cable or Optical Adaptor to provide a wireless Bluetooth® connection between the Levelogger and the Solinst Levelogger App on your iOS or Android™ smart device. The Levelogger App is a free download. With the Solinst Levelogger App you have full access to datalogger settings; you can download and view data, view real-time data, program your Leveloggers, and more. Data can be e-mailed from your smart device directly to your office.

Optional Deployment Accessories

Optional	**Well Caps** 110099	The 2″ Locking Well Caps can be used for both wireline/cord and Direct Read Cable deployment. The well cap has a convenient eyelet for suspending Leveloggers. Well caps are vented. The well cap insert has two openings to accommodate direct read cables for both a Levelogger and Barologger. Adaptors are available to fit 4" wells.
Optional	**Support Hanger Bracket** 112764	Used with the 2″ Locking Well Cap, 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.
Optional	**Biofoul Screen** 110659	Use a Biofoul Screen when your Levelogger will be deployed for extended periods, especially in coastal and saltwater environments, to avoid the build-up of microorganisms, plants, algae, etc. Simply slips onto the sensor end of the datalogger.
Optional	**Artesian Well Fitting** 112350	For monitoring artesian condition, Solinst provides well fitting options for in-well and top of well installation, and can accommodate the use of L5 Direct Read Cables.

Other Requirements

Required if using a Levelogger 5 LTC	**Conductivity Calibration Solutions** Variable Part Numbers	If you know the approximate conductivity range of the water that you will be measuring, best accuracy when calibrating your unit is to select two solutions—one above, and one below that range. Though, you can calibrate up to four points. Solution options are 1,413 µS/cm, 5,000 µS/cm, 12,880 µS/cm and 80,000 µS/cm.

Remote Data Options

Optional	**LevelSender 5** Multiple Parts Required (Contact Solinst) 	The LevelSender 5 uses 4G cellular communication to send Levelogger data from the field to your Home Station PC and smart device using email or SMS. Fits in a 2" well. Barometrically compensated water levels can be obtained and reported using the built-in barometer. Connect up to two dataloggers.
Optional	**STS Telemetry System** Multiple Parts Required (Contact Solinst) 	STS Telemetry Systems use an LTE digital cellular modem to send Levelogger data from the field to your Home Station PC. Connect up to four dataloggers.
Optional	**SDI-12 Interface Cable** 115133 	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.

Customer Support

Documents / Resources

 Solinst 114630 Levelogger 5 Optical Adaptors [pdf] User Guide
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Adaptors, Adaptors

Manuals+,