



Solinst 3001 Levellogger 5 Data Loggers User Guide

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Minimum Requirements

<p>Required</p>	<p>Levellogger Data Loggers</p>  <p>Variable Part Numbers</p>	<p>Your choice of data loggers will be based on :</p> <ul style="list-style-type: none"> Parameters to be monitored (temperature , water level, conductivity) Accuracy required Anticipated maximum submergence depth How long you will be monitoring (do you need a Bar logger, more robust memory, longer battery life?) Type of sampling required (linear, event-based, scheduled) 	
<p>Required</p>	<p>Levellogger Software</p>  <p>Free Download</p>	<p>Levellogger PC Software is available as a free download at http://downloads.solinst.com/</p> <ul style="list-style-type: none"> Program and start your datalogger with your desired sampling regime and memory mode View real time data Download, view, save or export logged data Access utilities: Diagnostic, Firmware Upgrades, Conductivity Calibration 	 <p>OR</p> 
<p>Required</p>	<p>Desktop Reader 5</p>  <p>114404</p>	<p>The Desktop Reader 5 provides the most stable communication between the Levellogger datalogger and the Levellogger PC Software.</p> <p>*Alternatively, you can use a Field Reader 5 for this same purpose</p>	
	<p>Field Reader 5</p>  <p>114403</p>	<p>*The Field Reader 5 is an alternative option to the Desktop Reader 5 for connecting your Levellogger to a PC for communication with Levellogger Software. It can be more convenient when connecting to Levelloggers in the field and when calibrating a Levellogger 5 LTC.</p>	




Deployment Options

Optional	<p>Wireline/Kevlar Rope</p> <p>Variable Part Numbers</p> 	Use this method when you wish to minimize up front costs, and pre-program Levelloggers in the office and not require direct communication with the datalogger while it is deployed.
<p>Required</p> <p>if direct communication to a deployed Level logger is needed</p>	<p>L5 Direct Read Cable</p> <p>Variable Part Numbers</p> 	Use this method when you want direct communication with your Level logger 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

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


In-field Communication Devices

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


Optional Deployment Accessories




Optional	<p>Well Caps</p> <p>110099</p> 	<p>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 Levelloggers. Well caps are vented.</p> <p>The well cap insert has two openings to accommodate direct read cables for both a Levellogger and Barologger. Adaptors are available to fit 4" wells.</p>
Optional	<p>Support Hanger Bracket</p> <p>112764</p> 	<p>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.</p>
Optional	<p>Biofoul Screen</p>  <p>110659</p>	<p>Use a Biofoul Screen when your Levellogger 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.</p>
Optional	<p>Artesian Well Fitting</p> <p>112350</p> 	<p>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.</p>

Other Requirements

<p>Required</p> <p>if using a L eve logger 5 LTC</p>	<p>Conductivity Calibra tion Solutions</p> <p>Variable Part Numbers</p> 	<p>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 $\mu\text{S}/\text{cm}$, 5,000 $\mu\text{S}/\text{cm}$, 12,880 $\mu\text{S}/\text{cm}$ and 80,000 $\mu\text{S}/\text{cm}$.</p>
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Remote Data Options

Optional	<p data-bbox="323 123 518 152">Level Sender 5</p>  <p data-bbox="287 1010 558 1075">Multiple Parts Required (Contact Solinst)</p>	<p data-bbox="584 851 1469 1021">The LevelSender 5 uses 4G cellular communication to send Levellogger 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 data loggers.</p>
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Optional	<p>SolSat 5 Satellite Telemetry</p>  <p>Multiple Parts Required (Contact Solinst)</p>	<p>SolSat 5 Satellite Telemetry leverages Iridium satellite technology to send Levellogger data in the field to a secure web portal or to the SolSat 5 Wi-Fi App for download. An internal barometer provides compensated water level readings. Connects to one datalogger.</p>
Optional	<p>STS Telemetry System</p> <p>Multiple Parts Required (Contact Solinst)</p> 	<p>STS Telemetry Systems use an LTE digital cellular modem to send Levellogger data from the field to your Home Station PC. Connect up to four dataloggers.</p>
Optional	<p>SDI-12 Interface Cable</p> 	<p>Solinst Levelloggers 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.</p>

Customer Support

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August 21, 2023

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Documents / Resources



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3001 Levellogger 5 Data Loggers, 3001, Levellogger 5 Data Loggers, 5 Data Loggers, Loggers

References

- [Solinst Member Modal For CF Members](#)
- [Solinst Downloads and Resources Login](#)
- [Solinst DataGrabber 5: Levellogger Data Transfer Device](#)
- [Solinst Levellogger 5 Optical Adaptors](#)
- [Solinst Levellogger 5 App Interface](#)
- [Solinst Levellogger 5 Locking Well Caps](#)
- [Solinst Readout Unit: SRU: Instant Access to Water Level Readings](#)
- [Solinst Groundwater and Surface Water Monitoring Instrumentation, Water Level Meters, Interface Meters, Dataloggers](#)
- [Solinst Levellogger BioFoul Screen](#)
- [Solinst Levellogger 5: Reliable Water Level Data Loggers](#)
- [Solinst Levellogger 5 Data Loggers: Water Level Data Loggers: Groundwater Data Loggers](#)
- [Solinst Levellogger User Guide and Quick Start Guide](#)
- [Solinst Telemetry Systems, STS, 2-Way Communications, Levelloggers, Computer Base Stations, Remote Data Collection, Water Level Datalogging](#)
- [Solinst LevelSender](#)