



Solinst®

Solinst Readout Unit (SRU)

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Model 4001

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The Solinst Readout Unit (SRU) is an in-field device designed to take and display instant water level readings from a deployed Solinst datalogger.

When connected, you can also select a real-time sampling rate and start a real-time monitoring session independent of the datalogger's internal logging mode. Real-time logs can be saved in the SRU memory.

The SRU has an internal barometer, which provides the option of showing and saving real-time water level readings corrected to ambient air pressure.

The SRU also functions as a data download and storage device. It has a robust flash memory allowing you to download and save multiple log files from a number of dataloggers. Saved log files can be viewed on the SRU and transferred to a PC.

The SRU provides access to useful information about the connected datalogger's status, including battery level, memory, serial number, firmware version, and logging mode, as well as the SRU status.


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How the Solinst Readout Unit Works

The SRU connects to a Levellogger's Direct Read Cable, a LevelVent Wellhead, or AquaVent Wellhead connector cable.

Using push-buttons, it is easy to power-on and navigate through all SRU menu options. The LCD screen contrast is adjustable to ensure easy viewing in any field condition.

To transfer data files to a PC, the SRU connects using a USB cable. The SRU has upgradable firmware, which allows for future improvements and compatibility with new dataloggers. Note that separate Levellogger PC Software is used to download, view, export, delete data and set up dataloggers.

Features and Benefits of the SRU

- Convenient and portable
- Clear LCD screen for viewing readings and setting up real-time logging
- Connects to a Levellogger's Direct Read Cable, or LevelVent or AquaVent Wellhead
- Real-time logging and data download does not interrupt running datalogger
- Useful when conducting aquifer tests
- Quick way to check the status of a deployed datalogger
- Uses one replaceable 9V battery
- User-upgradable firmware

Materials:	ABS enclosure, 316 stainless steel connector, silicone rubber cover
Operating Temperature:	-20°C to +50°C
IP Rating:	IP64 (dust and splash resistant)
Battery:	Standard 9V replaceable battery
Battery Life:	Up to 2 years
Memory:	20 full LTC logs or 18 full LT logs (~1.8 million LTC readings or 2.7 million LT readings)
Size and Weight:	8.9 cm x 3.2 cm x 14.5 cm (3.5" x 1.3" x 5.7") 351 grams (12.4 ounces)
Internal Barometer Accuracy:	± 0.2 kPa
Compatible With:	5 Series and Edge Series Solinst dataloggers



Levellogger 5 App Interface

A wireless alternative to the SRU with datalogger setup features, is the Levellogger 5 App Interface that uses Bluetooth® technology to connect all Solinst dataloggers to your smart device using the Solinst Levellogger App. (see Model 3001 Solinst Levellogger 5 App Interface data sheets).



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