



# User Guide

## Levelogger adapters

**Solinst<sup>®</sup>**

## 2 Communicating with Solinst Dataloggers

Levellogger Software is Windows based, and is therefore used with a desktop or laptop PC. Dataloggers connect to a PC with an Optical Reader or PC Interface Cable. The Optical Readers and PC Interface Cable use an optical data reader/port connected to the datalogger and a USB (or RS-232 Serial Com Port) to transfer information between the datalogger and computer.

**Note:** There is also the option to communicate with a DataGrabber 5 or Levellogger 5 App Interface (see separate User Guides).

### 2.1 Optical Readers

If you are programming **5 Series dataloggers** in the office, the Optical Reader most commonly used for communication with a PC is a **Desktop Reader 5**.



Figure 2-1 Levellogger 5 Connected to a PC Using a Desktop Reader 5

**Note:** Always plug in the USB device before starting the Software. See Section 4.1.2 for more information on communication with USB ports.

If you have deployed your Levellogger 5 in the field using wireline or cord (not on a L5 Direct Read Cable), a **Field Reader 5** is most commonly used for communication with a PC.



Figure 2-2 Levellogger 5 Connected to a PC Using a Field Reader 5

You can also use an older style Optical Reader with an **L5-Edge DRC Adaptor** to communicate with a 5 Series datalogger.

**Note:** The L5-Edge DRC Adaptor contains a small, long-lasting battery (not user-replaceable). The Adaptor should always be stored above freezing temperatures and with caps on to prevent unnecessary battery drainage and protect the optical eyes.

**Note:** The L5-Edge DRC Adaptor also allows the connection of a Levellogger 5 to an older style Direct Read Cable. See Section 10.1.1.2.

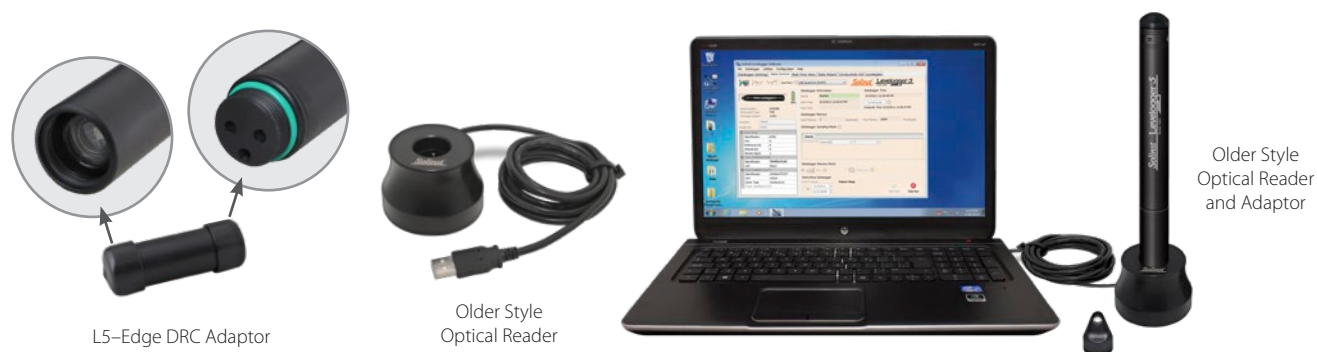


Figure 2-3 Levellogger 5 Connected to a PC Using an Older Style Optical Reader and L5-Edge DRC Adaptor

If you are programming an **Edge or Gold Series datalogger**, you will require an **Edge-L5 DRC Adaptor** to connect to a Desktop Reader 5 or Field Reader 5, or you can use an older style Optical Reader.

**Note:** The Edge-L5 DRC Adaptor contains a small, long-lasting battery (not user-replaceable). The Adaptor should always be stored above freezing temperatures and with caps on to prevent unnecessary battery drainage and protect the optical eyes.

**Note:** The Edge-L5 DRC Adaptor also allows the connection of a Levellogger Edge or Gold to a L5 Direct Read Cable. See Section 10.1.1.2.

**Note:** When connecting an Edge-L5 DRC Adaptor, only turn the coupling on the Adaptor and hold the datalogger still.



Figure 2-4 Levellogger Edge Connected to a PC Using an Edge-L5 DRC Adaptor and Desktop Reader 5



Figure 2-5 Levellogger Edge Connected to a PC Using an Edge-L5 DRC Adaptor and Field Reader 5



Figure 2-6 Levellogger Edge Connected to a PC Using an Older Style Optical Reader

## 2.2 PC Interface Cable

If a datalogger is deployed in the field using a L5 Direct Read Cable (or older style Direct Read Cable), a PC Interface Cable connects to the L5 Direct Read Cable for communication with the PC—no need to remove the datalogger from the well.



Figure 2-7 Datalogger and L5 Direct Read Cable Connected to PC Using a PC Interface Cable

**Note:** See Section 10.1.1.2 for more information on installations using Direct Read Cables.



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