



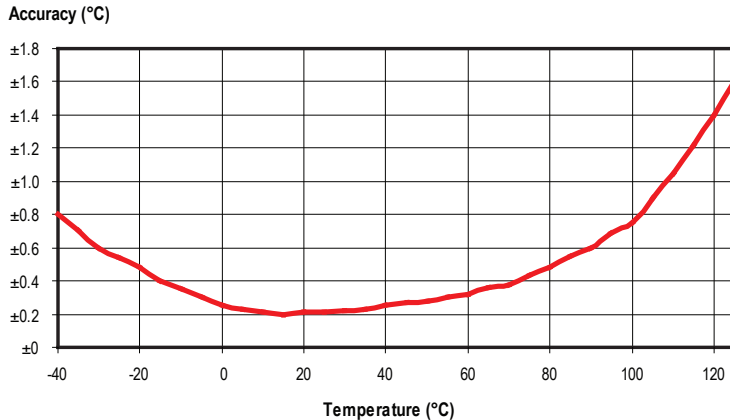
# EL-USB-1-PRO

## Temperature Data Logger with Extended Range



### SENSOR ACCURACY & INFORMATION

Typical tolerance for temperature sensor in °C.



### BATTERY INFORMATION

#### Replacement

We recommend that you replace the battery annually, or prior to logging critical data. Only use 3.6V 3/8AA lithium metal batteries. The data logger does not lose its stored readings when the battery is discharged or replaced; however, the data logging process will stop and will not resume until the battery is replaced and the logger restarted by EL-WIN-USB or an EL-DataPad.

Only use an EL-USB-1-PRO battery that is supplied or recommended by us, which is rated for use in high temperatures and has the correct battery terminals. Using non-recommended batteries may result in fire or explosion at high temperatures. Suitable batteries are: Tadiran TLH-5955/S and Tadiran SL-561/S.

Please note that leaving the data logger plugged into the USB port for extended periods will cause some of the battery capacity to be lost.

#### Passivation

If left unused for extended periods of time the lithium metal batteries, including those used in the LogEasy range of data loggers, naturally form a non-conductive internal layer preventing them from self-discharge and effectively increasing their shelf life. When first installed in the data logger, this may cause a momentary drop in the battery voltage (the Transient Minimum Voltage) as the internal layer is broken down, resulting in the data logger resetting. Inserting the batteries in the data logger and leaving it connected to a PC for about 30 seconds will remove this layer. After this, remove and re-install the batteries to reset the data logger. Overall battery life will not be affected.

#### WARNING

Handle lithium metal batteries carefully, observe warnings on battery casing. Dispose of in accordance with local regulations.

### ADVISORY INFORMATION

Due to the weight of the EL-USB-1-PRO, a USB extension cable is recommended for connection to the USB port of the PC to reduce strain on the USB connection.

