Quick Start Manual
LM^{Pro} T series datalogger

This quick start guide will take you through the salient features of data logger and help you set it up easily and quickly.

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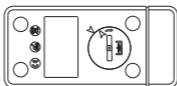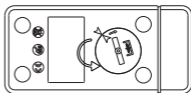# LM^{Pro} T User Programmable Data Logger – Quick Start Guide

Battery Installation of the LM^{Pro} T User Programmable Data Logger

Battery is provided separately with the **LM^{Pro} T User Programmable data logger.** Follow the following process to install the battery in data logger.
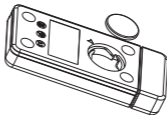
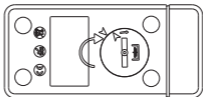**1.** Place the data logger on its back side.

2. Open the battery cover by a coin turning in anti-clockwise direction.

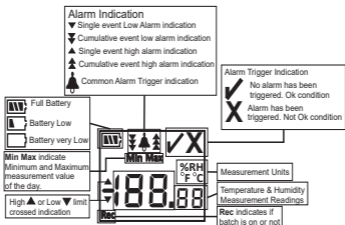**3.** Insert the battery (3 V coin cell, CR2032) in a way that the positive terminal of battery is visible.

4. Place the cover back on the battery compartment and close it by turning in clockwise direction till both the arrows do not match as shown in below image:

Note: Do not remove the battery when the data recording is ON. Check the battery status on display and accordingly replace the battery when required.

LCD Display

Alarm Indication
▼ Single event Low Alarm indication
▼ Cumulative event low alarm indication
▲ Single event high alarm indication
▲ Cumulative event high alarm indication
✦ Common Alarm Trigger indication

Alarm Trigger Indication
✓ No alarm has been triggered. Ok condition
✗ Alarm has been triggered. Not Ok condition

Full Battery

Battery Low

Battery very Low

Min Max indicate Minimum and Maximum measurement value of the day.

High ▲ or Low ▼ limit crossed indication

%RH
°F °C — Measurement Units

188.88 — Temperature & Humidity Measurement Readings

Rec — Rec indicates if batch is on or not

Software Installation

1. Download the LMVieWE051 Application to configure, analyze and generate reports.

2. Please use following link to download the Application:
   https://www.gtek-india.com/product/data-loggers/LMViewE051/

3. After downloading the Software Application, follow the steps for installation as explained in installation guide.

4. On successful installation, shortcut of the application will be seen on Desktop.

LMviewE051 Software User Interface

Open LMVIEWE051 application by clicking on ![icon] icon. Connect the LM^{Pro} T data logger with application via USB port.

Main window of the Application will show the device information, current RTC, battery level and current data measured by LM^{Pro} T data logger.

Application commands are accessible through the menu bar, toolbar and toolbox.
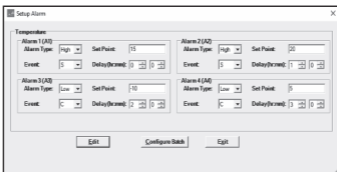
Main Toolbar

- ⇆ : Connect the LM^Pro T Data logger with the application.

- ⚙ : Set up the batch configuration for single data logger. For details, refer the Help file of the software application.

- ⚙ : Set up batch configuration for multiple data loggers with same parameters.

- ✋ : Stops the current running batch in the device with user permission.

- ⬇ : Opens the save dialog and downloads the data of the running batch/stopped batch.

- 📂 : Open the previously downloaded batch data.

- ▼ : Use this button to filter displayed tabular data by selecting start and stop date and time from the entire table data.

- 📊 : Exports the displayed tabular data in csv file format at the selected file location.

- 📄 : Generates report of tabular data in pdf format at the selected file location.

- 🔁 : Convert Temperature from one unit to another.

- 📈 : Open the graphical view of the tabular data being displayed.

- ❓ : Open Help file for detailed information about the software application

- ✖ : To exit the software application.

Configure the Batch in LM^Pro T Data Logger
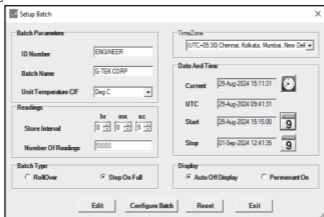
To configure LM^Pro T data logger, connect it to software application via USB port and configure the batch parameters. **For more information, please refer to the Help menu.**

The configuration process has two parts: Setup Alarm and Setup Batch. Click on "**Edit**" button and set the required alarm parameters as shown in figure. For more details, read device operating manual.

Select the "**Edit**" button and configure the batch parameters as shown in below figure:

Note: New configuration will delete previously recorded batch data. Please make sure to back up stored data before you configure the new batch for the device.

Recording of the Data

Start Recording data

Data recording batch is started on device automatically once the Configured start time has been reached.
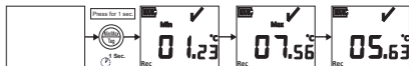
User can manually start the device after batch configuration, if required by pressing "**Start**" key for about 10 seconds.

The device switches to Recording mode, which is indicated by "**REC**" message on display. "**RUN**" LED starts flashing and "**STP**" LED turns off.
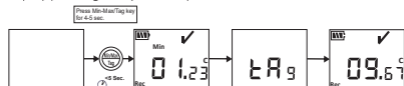
View Min/Max and current Temperature reading

Press "**Min/Max**" key for 1 sec, the display will show Min/Max temperature for the device and current temperature data respectively.

Inserting a Tag Event

While recording of data is going on, user can enter special event with time stamp by pressing "**Min/Max**" key for more than 4 seconds.
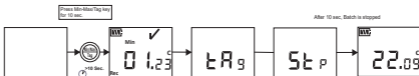

Stop Recording Data

Batch Type: Stop on Full

The batch stops in one of three ways:

1. The batch will stop as per the configured stop time.
2. The batch stops when the maximum number of readings is reached.
3. By using "**Stop**" button in the LMViewE051 application.
4. User can manually Stop the running batch if required, by pressing "**Min/Max**" key for about 10 seconds.

Batch Type: Rollover

1. The batch continues to record data even after the maximum readings are reached, overwriting data on a first-in-first-out basis.
2. Use "**Stop**" button in the LMViewE051 application to stop the batch.

Once the recording stops, "**REC**" message disappears from the device display and "**RUN**" LED turns Off and "**STP**" LED starts flashing.

Battery

The **LM^Pro^ T** data logger contains a Lithium Battery. The end of the battery life is indicated by a low battery symbol, the battery should be replaced within 15 days when this symbol appears.

For Battery replacement refer the section <u>Battery Installation</u>.

Dispose or recycle the battery in accordance with your local regulations. Do not expose the Data Logger to extreme temperatures as it may lead to the destruction of the battery and may cause injuries.

> **"Warning, Battery may explode if mistreated. Do not recharge, disassemble, or dispose of in fire."**

*For detailed information regarding LM^Pro^ T User Programmable data logger, please refer to Operating Manual.