LEVELTRACK
Installation and Operation Guide

WIRELESS TANK LEVEL MONITORING | FREE ACCESS TO YOUR ONLINE PORTAL

Introduction

This manual serves as a comprehensive guide for the
installation, configuration, and operation of LevelTrack.

In this manual, you will find detailed instructions on
installing LevelTrack, configuring the system using the web portal, and utilising its features for real-time data access.
Additionally, you will gain insights into the technical specifications, such as accuracy, battery life, and operating temperature ranges.

For support during the installation process or accessing your tank data, please contact A-FLO.

For support, please contact:
Phone: 1300 235 623
Email: sales@aflo.com.au

For Terms and Conditions, please visit:
https://aflo.com.au/terms-and-conditions

General Information

LevelTrack is a wireless tank gauging product, designed to be installed in tanks that do not have a FluidTrack Fuel Management System installed.

LevelTrack's set-and-forget automatic gauging system and lightweight design can be installed in less than five minutes, without drilling holes, running wires, or draining your fuel tank.

Internally, LevelTrack is comprised of a solar panel, PCB and battery. The LevelTrack enclosure should always be kept closed and tightly sealed, the o-ring seal should be clean and free of debris, and the screws holding the lid down should be adequately tight.
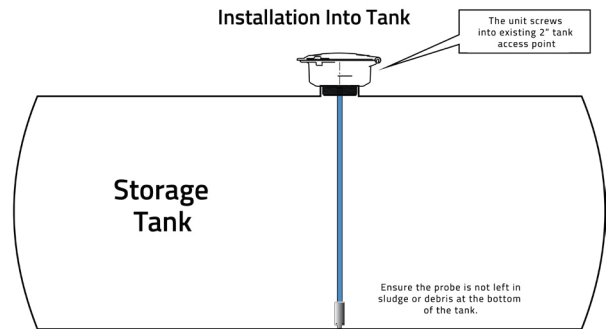
Access to your tank data is via cloud-based web portal,
FluidTrack.com.au. This platform can be accessed by using a web browser and no special software is needed.

Installing the LevelTrack

Lower the probe into the tank.

Ensure the probe does not rest in sludge or grime in the bottom of the tank. This will cause major faults.

Installation Into Tank

The unit screws into existing 2" tank access point

Storage Tank

Ensure the probe is not left in sludge or debris at the bottom of the tank.

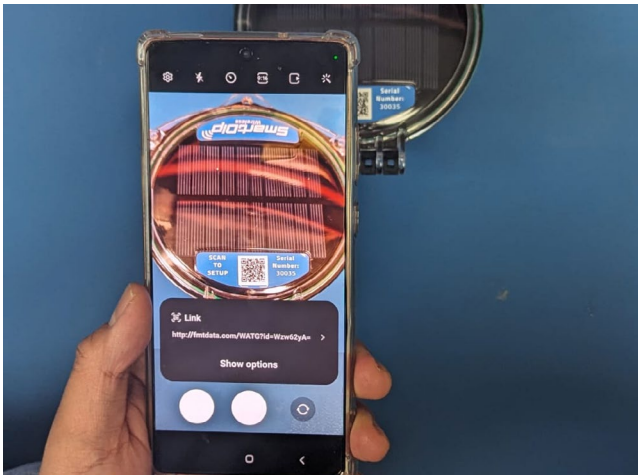Secure the LevelTrack unit to the tank by rotating the unit clockwise until the thread is tight.

Open the LevelTrack lid by removing 2 screws using a phillips head screwdriver.

Installing the LevelTrack
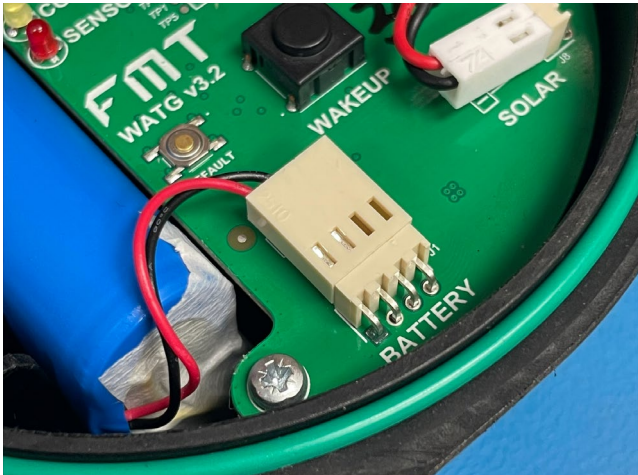
Slide the battery connector on to the pins, being careful not to bend any pins.

Scan the QR code on the top of the LevelTrack unit to begin setting up.
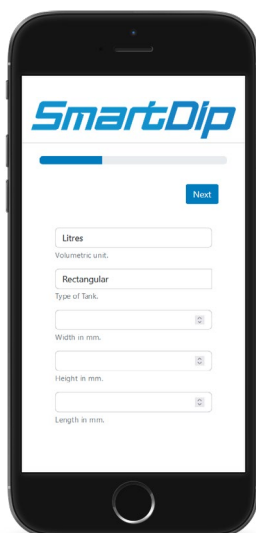
Setting the Tank Dimensions
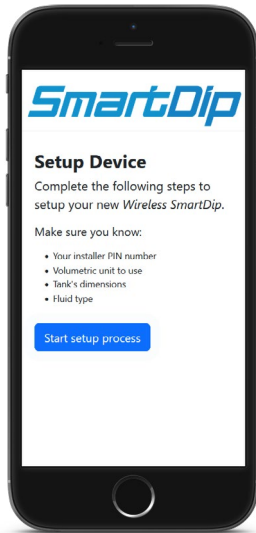
When the QR code is scanned, you will be taken to an automated setup wizard. This wizard is designed to help you make sure the LevelTrack is configured correctly and working as intended.

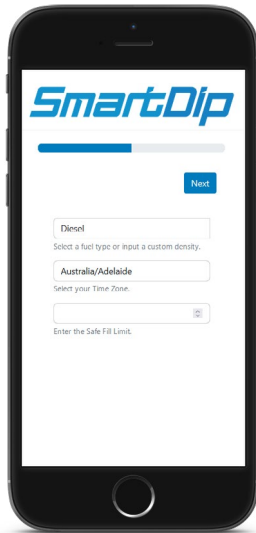The first page of the wizard is a welcome page.
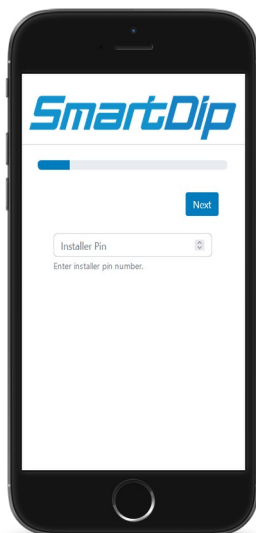
The second page is a security check to ensure you are authorised to setup the LevelTrack.
The default PIN is **6789**

The third page is the tank information page.

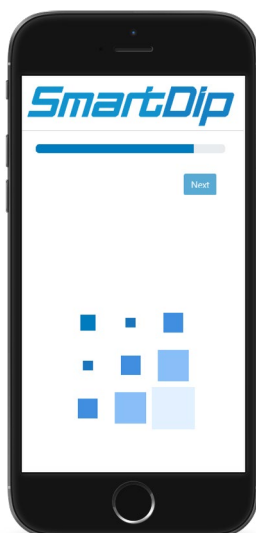This page is where you will enter the dimensions or 20-point dip for the tank.

Setting the Tank Dimensions

The next page will prompt for additional information needed such as the type of fluid in the tank, and the local time of the LevelTrack unit.
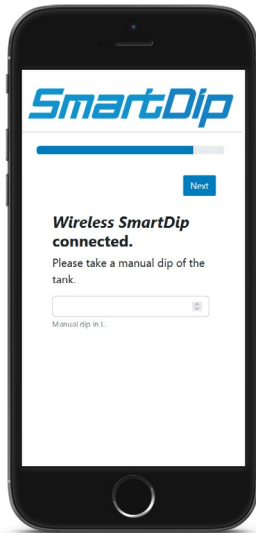
When prompted, press the WakeUp button on the LevelTrack. Once pressed, tick the box then click Next.
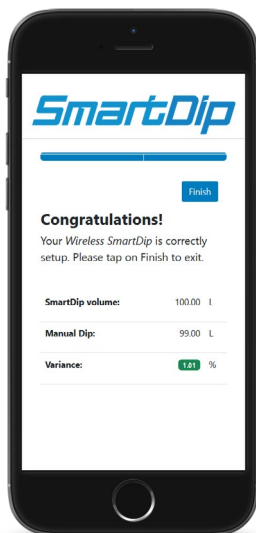
While the LevelTrack syncs to the cloud and downloads the configuration from previous step, you will see this animation. The sync process can take up to 1 minute.
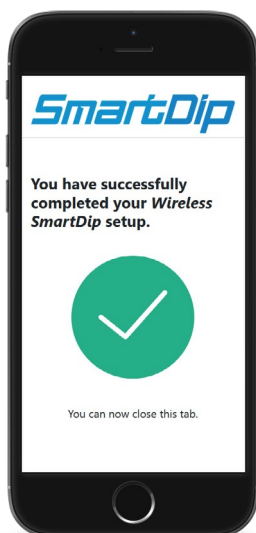
Setting the Tank Dimensions

Once connected, you will need to input a manual dip of the tank level. This is a check to ensure the LevelTrack is operating and configured correctly.

Once the LevelTrack confirms it's functioning correctly, you will see a congratulations screen with your tank levels displayed.

You've finished setting up your LevelTrack!

Installing the LevelTrack

Seal the LevelTrack lid and re-fasten the screws to secure it.

Adding the Tank to your Portal

Navigate to www.FluidTrack.com.au/new
If you currently have an account, click "Yes" then login to add your new LevelTrack.

If this is your first time using FluidTrack, click "No" and follow the steps to create your account.

Accessing your Tank Data

Open your web browser and navigate to www.FluidTrack.com.au then log into your account.
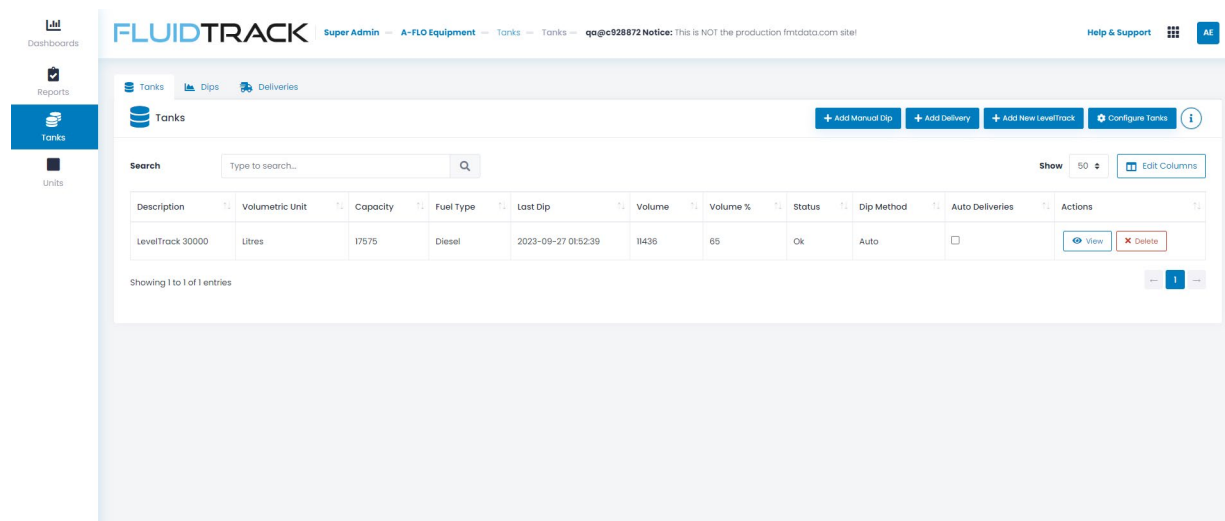

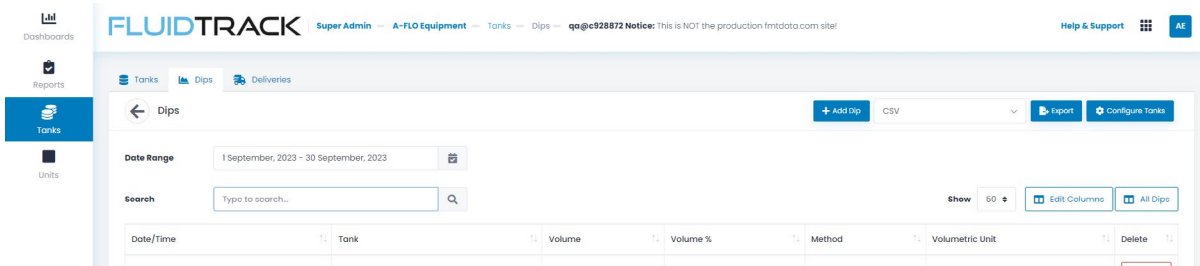Click the **Tanks** button along the left-hand side of the screen.
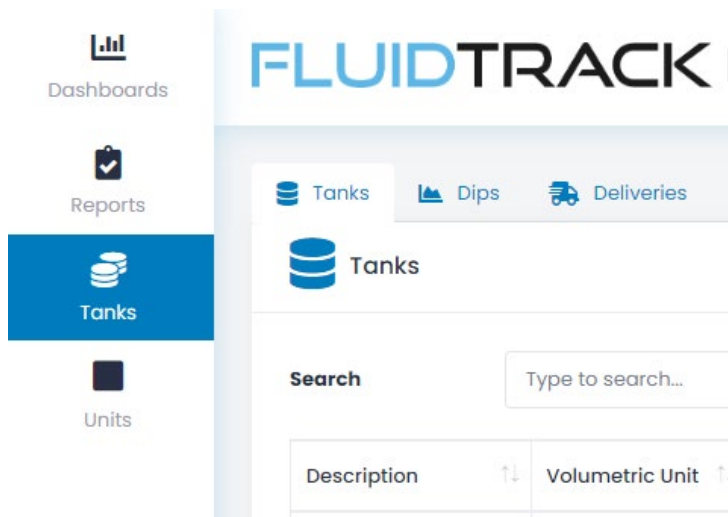
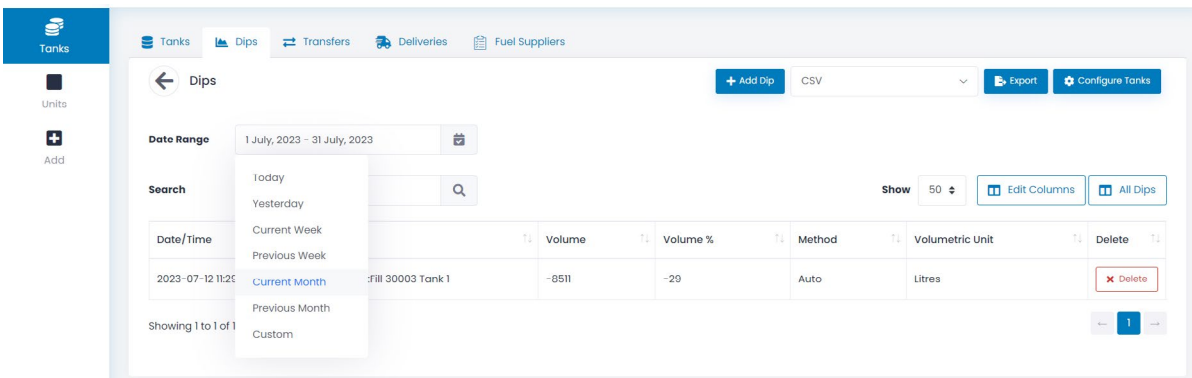On this page, you can see the most recent tank level readings.
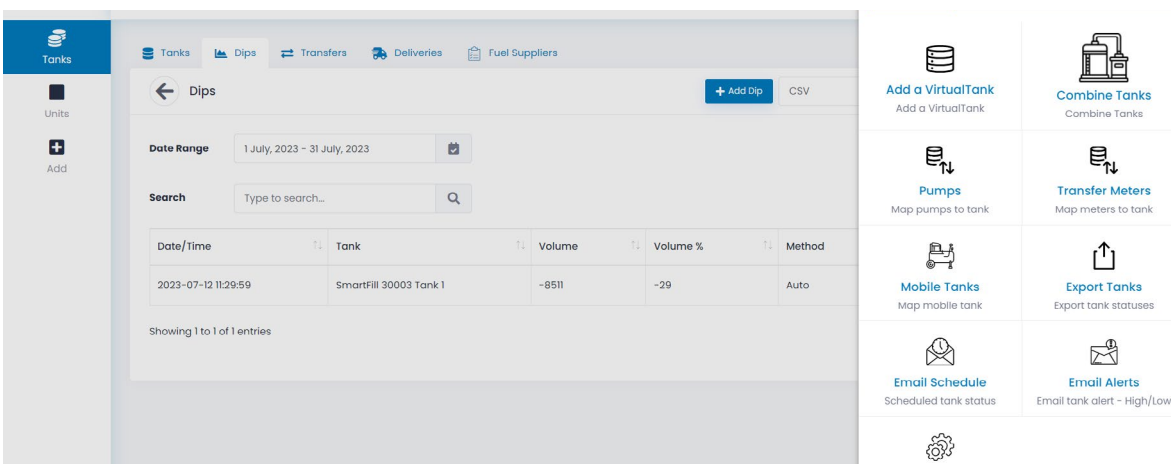
Accessing your Tank Data

To view previous readings, click the **Dips** tab and select the date range you'd like to see the readings for.

To export your dip history, check the date range, then click **Export**

To set up alerts, click **Configure Tanks** then **Email Alerts**

Accessing your Tank Data

On this page, you can click **Add Alert** to create an alert. Your existing alerts will also be shown on this page.

To set up a scheduled daily email of tank reading, click **Configure Tanks** then **Email Schedule**. Here you can set up daily emails.

Scheduling Dips

On the Tanks page, click Configure to manage the scheduled wakeup and dip frequency.
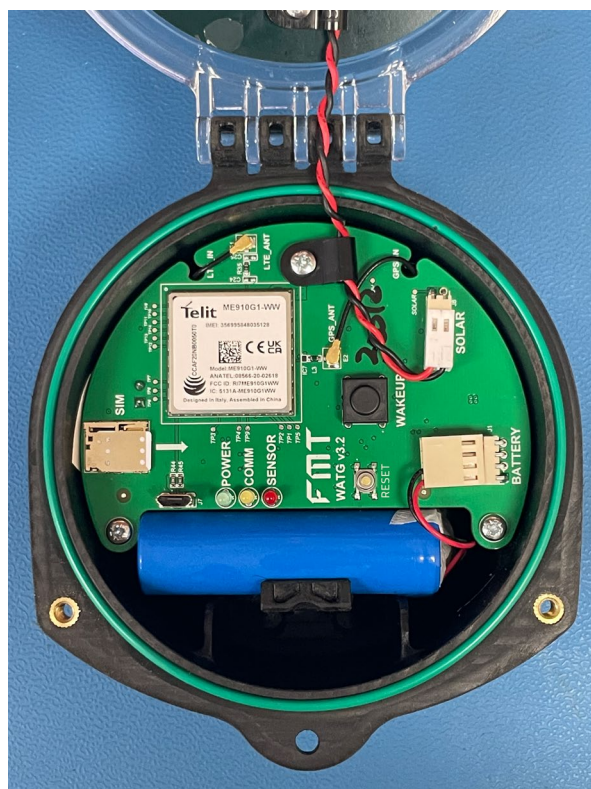
Scheduling Dips

The scheduled wakeup time will be the starting point from which a dip will be taken every X hours as specified in the Interval dropdown box.

LevelTrack Hardware

LevelTrack has been designed for maximum ease-of-use, compatibility and accuracy.

Thread Sizes and Adapters

LevelTrack is manufactured in 2 sizes:
- 2" NPT
- 2" BSP

If your tank does not have a port that is compatible with the provided threads, LevelTrack will still work correctly using an adapter.

LevelTrack Networking Information

LevelTrack uses the LTE-M network. This enables LevelTrack to utilise a dedicated M2M network for the best quality connection. You must ensure 4G LTE-M is available in your installation location.

Outright:
If you've purchased LevelTrack outright, your unit will come pre-installed with a data SIM that does not expire for the lifetime of the product.

Subscription:
LevelTracks purchased on a plan come pre-installed with a data SIM and the subscription needs to be managed via the SmartFill web portal.

Specifications Table

Tank Height: 0 - 10m	**Long Term Stability:** ± 0.2% FS/Year
Fuel Types: Suitable for use with diesel, AdBlue, DEF and other non-hazardous liquids	**Operating Temp Range:** -25 °C to 70 °C
Accuracy: 0.25% FS (Max) 0.5% FS (Typical)	**Cable:** Polyethylene Ventilated Cable
Battery Life: 5 years* Longer when exposed to daily sunlight	**Tank Thread Size:** 2" BSP or 2" NPT
Dips per Day: 1-24 (can be changed)	**Solar Power:** 1.25W solar panel

*based on one dip per day.

LevelTrack Operation

To force a dip to be uploaded to the website, open the LevelTrack and press WAKEUP.
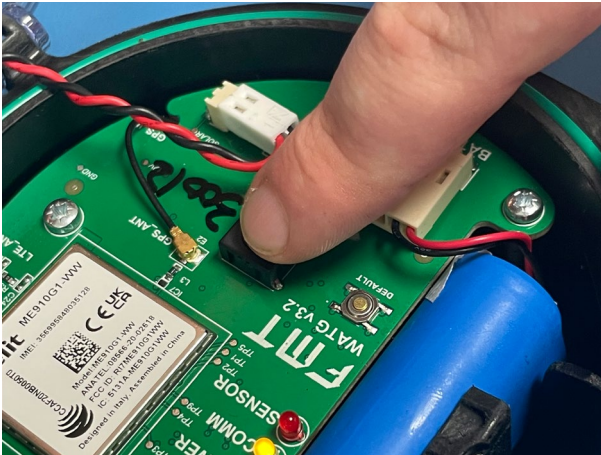
To restore factory settings on a LevelTrack, hold the RESET button while clicking the WAKEUP button once, and continue holding the RESET button for 10 seconds until all three LED indicators are simultaneously illuminated.
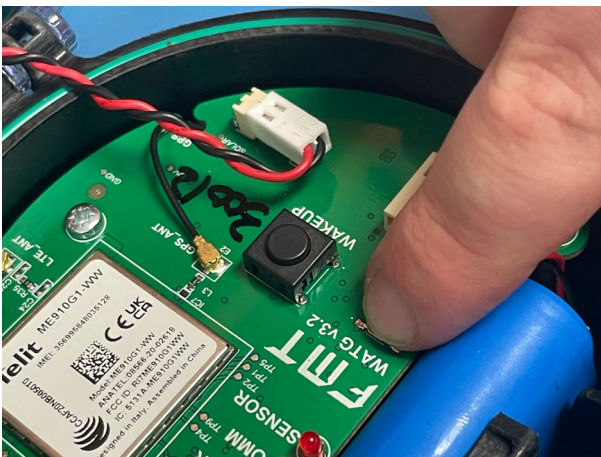
To replace the battery, open the LevelTrack unit. Then slide off the battery connector and remove the battery. Reverse steps to install
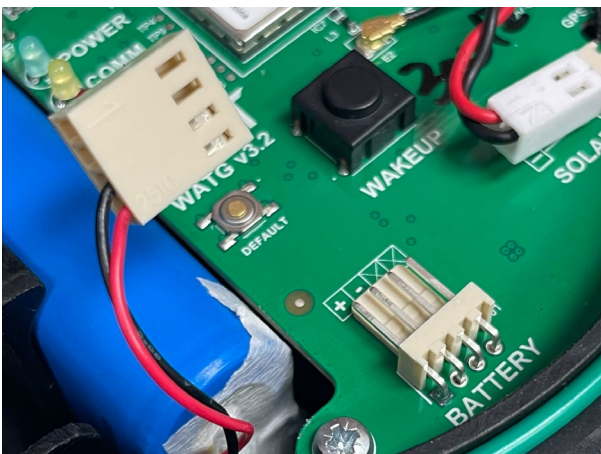
Troubleshooting

Dip is reading incorrect values

1. Contact Support at sales@aflo.com.au

LevelTrack is not on the tanks page of my account

1. Check you're logged in to the same account that was used when installing LevelTrack.
2. Go to the Tanks page and check if the serial number on the LevelTrack unit matches any unit listed on the page.
3. If not listed, contact support.

LED Definitions

Power Off: Device Off
Power On: Device On

Comms Off: Network Not Found
Comms Flashing: Searching for Network
Comms On: Network Connected

Sensor On: Dipping Tank Level

No dip online when i press button or missed a scheduled dip

1. Confirm that your subscription is valid
1. Open the LevelTrack lid
2. Check the Power LED is on
3. Press the WAKEUP button
4. Watch the Comms LED to ensure it flashes
5. If the Comms LED turns off, contact support.
6. If the Comms LED stays solid on, check the Sensor LED lights up.
7. If the dip is not reported, contact support

Safety Warnings

IMPORTANT
It is essential that you read the instructions in this manual before operating and maintaining the product.
When the battery pack is not installed, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

WARNING
To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse the enclosure, battery pack in fluid or allow fluid to flow inside them. Corrosive
or conductive fluids, such as seawater, certain industrial
chemicals, and bleach or bleach-containing products etc.,
can cause a short circuit.

TRANSPORTING LITHIUM BATTERIES
•   Transport the battery in accordance with local and national provisions and regulations.
•   Failure to follow the warnings and instructions may result electric shock, fire. and/or serious injury.
•   Save all warnings and instructions for future reference.
•   Do not transport batteries that are cracked or leaking. Follow this rule to reduce the risk of electric shock, fire, or serious personal injury.

Safety Warnings

- Do not place the product or battery packs near fire or heat.
- Do not crush, drop or damage the battery pack. Do not use a battery pack that has been dropped or has received a sharp blow. Properly dispose of a dropped or damaged battery immediately.
- Under extreme conditions, battery leakage may occur.
  If the liquid comes in contact with the skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets into your eyes, flush them with clean water only for at least 10 minutes, then seek immediate medical attention. Follow this rule to reduce the risk of serious personal injury.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this product If you loan someone this product, loan them these instructions also to prevent misuse of the product and possible injury.
- Use this product with specifically designated battery packs. Use of any other battery packs create a risk of injury and fire.

A-FLO Equipment Pty Ltd
2/127 Cherry Ln, Laverton North VIC 3026
www.aflo.com.au
1300 235 623
sales@aflo.com.au