



**METER**

# **ZL6**

## **DATA LOGGER**



# ZL6 QUICK START

## Preparation

Inspect and verify ZL6 components are intact. Installation will require a mounting post.

Install the enclosed NiMH batteries and press the TEST button. The status lights will eventually settle to a short, single blink every 5 s, signaling it is ready for use.

Install ZENTRA Utility on the field computer and test connectivity.

Read the full [ZL6 User Manual](http://metergroup.com/zl6-support) at [metergroup.com/zl6-support](http://metergroup.com/zl6-support). All products have a 30-day satisfaction guarantee.

The ZL6 case is water resistant, not waterproof. In extremely wet environments or environments with prolonged high humidity, enclose a desiccant packet inside the logger or enclose the logger in a waterproof case.

## Data Access with ZENTRA Cloud

ZENTRA Cloud is a cloud-based web application to download, view, and share ZL6 data as well as change logger configurations. Visit [zentracloud.com](http://zentracloud.com) to access all ZL6 data online. A free trial of ZENTRA Cloud is available for new users.

For answers to common questions, visit [metergroup.com/environment/faqs/?faq\\_category=9290](http://metergroup.com/environment/faqs/?faq_category=9290)

## Configuration

METER recommends testing the sensor configuration and ZL6 logger communications prior to field installation. Review sensor instantaneous measurements to verify sensors are working correctly.

### Using a Smartphone

To install ZENTRA Utility Mobile, download from the app store.

On the ZL6, push the TEST button to activate the Bluetooth® module.

On the smartphone, select the device in Devices Found.

### Using a Computer

Use the included USB drive or the ZENTRA Utility Installer link on the ZL6 webpage ([metergroup.com/zl6-support](http://metergroup.com/zl6-support)) to download ZENTRA Utility.

Connect the micro-USB cable to computer and logger.

Open the ZENTRA Utility application, select the appropriate COM port, and select Connect.

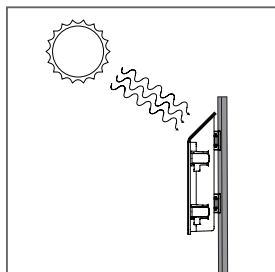
After the instantaneous measurements appear on the ZENTRA Utility main screen, click Settings.

Set the measurement interval and assign each sensor to its respective sensor port. Click OK.

## Installation

### 1. Select Location

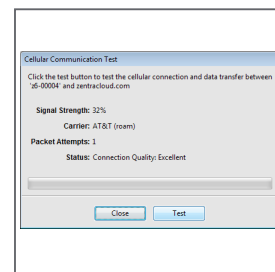
Choose a location and orientation to give the solar panel the maximum amount of sunlight. Consider vegetation cover throughout the season, distance from power lines, livestock, metallic objects, etc.



### 2. Check Cellular Signal

In ZENTRA Utility, click Cellular Test to check the quality of the cellular signal at the chosen location.

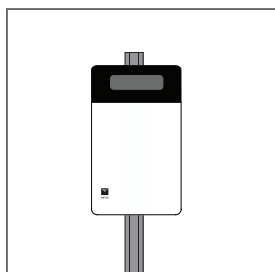
If the test fails, move to an alternative location (sometimes moving only a few meters is sufficient).



### 3. Fasten Logger to Mounting Post

Use the included zip ties to attach the ZL6 to a mounting post.

Ensure the logger is installed in an upright position to reduce the possibility of water entering the ZL6 enclosure.



### 4. Install Sensors

Install sensors according to the user manuals. Plug the sensor connectors into the ZL6 sensor ports. Secure cables to mounting post with some cable slack.

Configure measurement interval and sensor settings using ZENTRA Utility software. Review sensor instantaneous measurements to verify installed sensors are working correctly.

