



METER



ECRN-50[®]
Rain Gauge

SUPPORT

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

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ECRN-50 QUICK START

Preparation

Inspect and verify that ECRN-50 components are intact.

Ensure the data loggers are using up-to-date firmware and software. Check the following locations for firmware and software updates:

ZL6 metergroup.com/zl6-support

NOTE: ECRN-50 is an analog rain gauge sensor and not automatically detected in ZENTRA Utility.

Set up and test the system (rain gauge and data logger) in a lab or office following the **Connecting** steps. To avoid errors collecting data, connect the rain gauge to the data logger and the data logger to a computer to test the system.

Field installation supplies needed:

- mounting pole
- mounting fasteners (e.g. zip ties, wire)

Most accurate rain gauge measurements are obtained through installations close to the ground or plant canopy and with a wind shield around the rain gauge to minimize rainfall under-catch from wind blowing across the rain gauge intake. However, this is not always practical, especially if objects above the rain gauge could shield it from receiving representative rainfall.

All products have a 30-day satisfaction guarantee.

Connecting

1. Open ZENTRA Utility.
2. Locate the port number the ECRN-50 rain gauge is connected to and click or select the port.

This will open the Sensor Configuration tab.
3. In the Sensor Configuration tab, use the drop-down menu next to **Sensor Type** to find the specific sensor.

4. Select ECRN50 precipitation under **Environmental** for precipitation measurements.

For water flow measurements, choose ECRN50 under **Water Flow**.

5. Select OK.

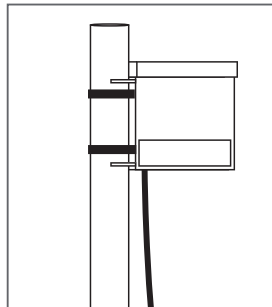
ATTENTION

For best results, use the latest versions of METER software and firmware for the computer or mobile device, products, and sensors. Please use the software Help menu to find updates. Consult the sensor user manual for more troubleshooting tips.

Installation

1. Mount the ECRN-50

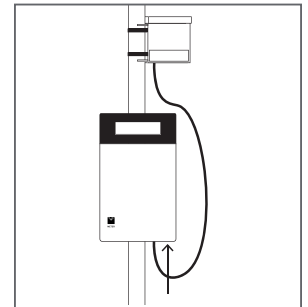
Mount the ECRN-50 so the metal back is vertical against a mounting pole at the desired height and ensure the rain gauge is level.



2. Connect to data logger

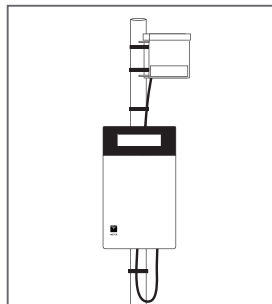
Plug the sensor cable into the data logger.

Use data logger software to apply appropriate settings to the data logger port connected to the ECRN-50 rain gauge.



3. Gather cables

Gather and secure the cables to the mounting pole in one or more places to relieve strain on the connections.



Specifications

Resolution	Volume Per Tip	Rainfall Per Tip
1 tip	5.0 ml/tip	1 mm

Read the ECRN-50 complete specifications at:

metergroup.com/ecrn-50.