

Document Title: <b>Description file for ECRN-50 Low-Resolution Rain Gauge Installation Instructions</b>		Part # <b>18302</b>	
		Release Date: <b>3.13.2020</b>	
Rev	Description	Revision By	Date
00	Created file	LAJ	2.15.2019
01	Change Europe email address	LAJ	9.26.2019
02	Added trademark symbol to logo	CSC	3.13.2020
03	Added detailed description for Preparation section per <a href="https://app.asana.com/0/308057532565579/1200000966797063">https://app.asana.com/0/308057532565579/1200000966797063</a>	RRK	10.1.2021

**Production File Path:**

[http://publications.metergroup.com/Quick%20Start%20Guides/18302\\_ECRN50\\_Print.pdf](http://publications.metergroup.com/Quick%20Start%20Guides/18302_ECRN50_Print.pdf)

**Working File Path:**

/Volumes/GoogleDrive/Shared drives/Product Number Library/18300-18399/18302

**Dimensions:** print size 8.5" wide x 11" tall, cut in half, final size is 8.5" wide x 5.5" tall

**Colors:** CMYK/Full color 4/4

**Printer:** In-house printing

**Material:** Card stock, Bright White, 216 g/m<sup>2</sup> (folding cardstock)

**Finishing:** NA

**Image below is for reference only. Not to scale.**



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**Preparation**

Inspect and verify that ECRN-50 components are intact. Installation will require a mounting pole and mounting supplies (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.

Set up and test the system (sensors and data loggers) in a lab or office. 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](http://metergroup.com/zl6-support)  
Other [metergroup.com/environment/articles/buy-browse-meter-legacy-data-loggers](http://metergroup.com/environment/articles/buy-browse-meter-legacy-data-loggers)

Read the ECRN-50 specifications at [metergroup.com/ecrn-50](http://metergroup.com/ecrn-50).

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

All products have a 30-day satisfaction guarantee.

**Installation**

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. Plug the sensor cable into the data logger. Use data logger software to apply appropriate settings to the sensors plugged into each data logger port. Gather and secure the cables to the mounting pole in one or more places to relieve strain on the connections.

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