

RAIN HARVESTING

by Blue Mountain Co

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rainharvesting.com.au

RAIN HARVESTING
by Blue Mountain Co

Tank Gauge Plus Powered by Sigfox



Installation and Specification Guide

PRODUCT DETAILS

Monitor your rainwater level, inflows and usage from the top of your tank or your mobile device with this smart tank gauge.

MGTG1RC4 Tank Gauge Plus
powered by Sigfox RC4*

MGTG1RC1 Tank Gauge Plus
powered by Sigfox RC1*

MGTG1RC2 Tank Gauge Plus
powered by Sigfox RC2*

FEATURES AND BENEFITS

- Monitor your tank levels locally via Bluetooth, or remotely from almost anywhere on the Sigfox network.
- Reliable and accurate monitoring on any tank type up to 4 meters (13 feet) tall.
- Real time data available for one or multiple tanks through one app.

Installation

WHAT'S IN THE BOX

- Tank Gauge with attached float
- 4 screws

TOOLS/MATERIALS YOU MAY REQUIRE

- 2 x AA Batteries
– Lithium (preferred) or Alkaline
- Marker pen
- Drill
- 38 mm to 44 mm (1½" to 1¾") hole saw
- Phillips head screwdriver

SETUP AND INSTALLATION

Install the Rain Harvesting app

Download the Rain Harvesting by Blue Mountain Co app from the App Store or Google Play.



Setup

1. Remove the Rear Cover and Battery Cover from the gauge.
2. Insert 2 x AA Batteries – Lithium (preferred) or Alkaline.
3. Replace the Battery Cover and the Rear Cover, ensuring it is properly seated and sealed.
4. Follow the instructions on the Rain Harvesting app to connect and calibrate your gauge.

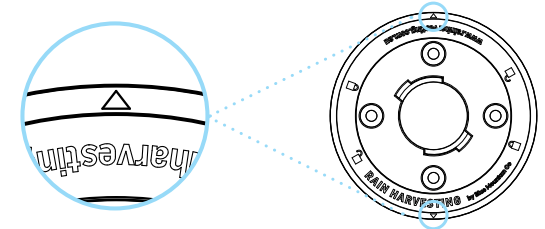
Install the Tank Gauge Plus on your tank

During setup take care not to drop the Tank Gauge or Float onto the ground as it may damage the measurement device within the unit.

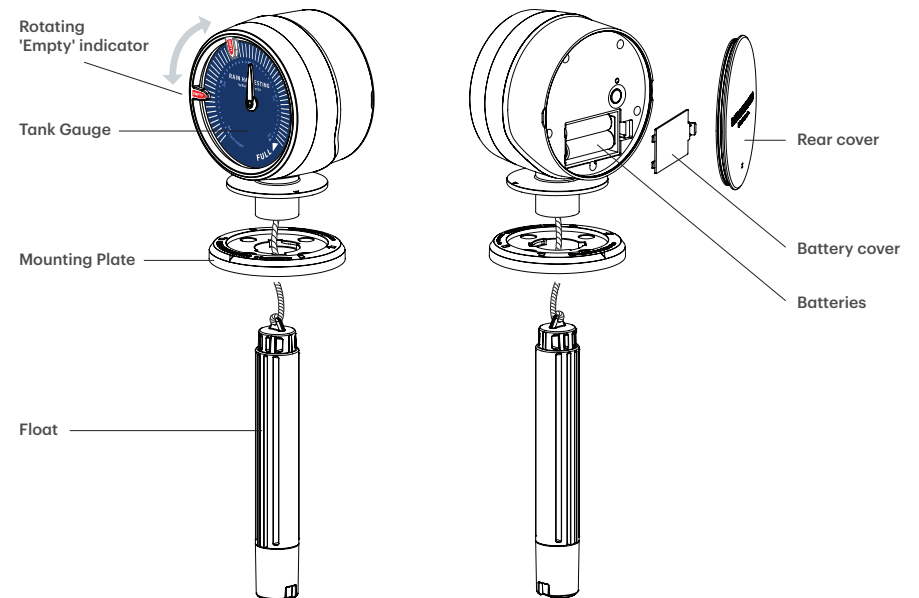
1. Drill a 38mm – 44mm (1½" – 1¾") hole in the top of the tank. Select a location where the gauge will be easily viewable, and the center should at least 150mm / 6" from the tank wall.
2. Twist off the Mounting Plate from the Tank Gauge.

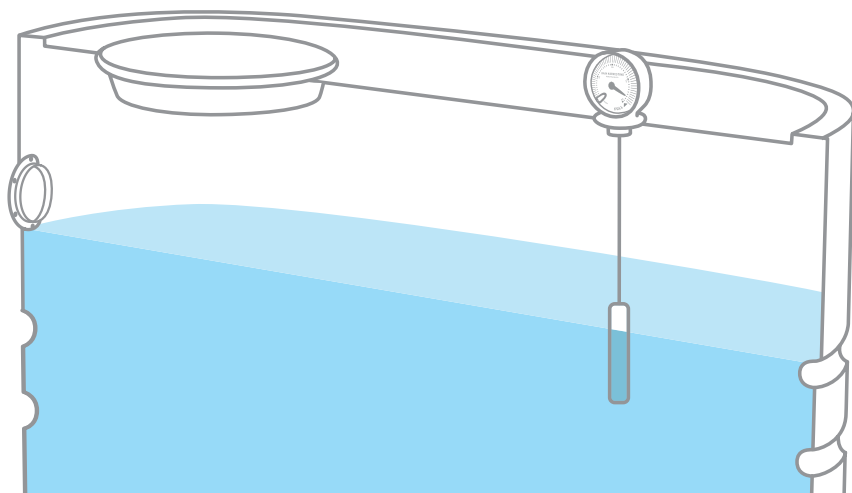
3. Position the Mounting Plate in the hole. The Rain Harvesting logo and small arrow will face the same way as the dial once it is installed.

TIP! The small arrows on the mounting plate indicate which way the gauge can face when installed.



4. Screw the mounting plate to the top of the tank.
5. Holding the gauge, rotate the Empty Indicator to the tank height shown on the front label.
6. Gently lower the Float through the hole into the tank, until it rests on the water's surface.
7. Insert the Tank Gauge into the mounting plate and twist it into position.





MAINTENANCE

Periodically you will need to replace the 2 x AA batteries (lithium or alkaline). Lithium batteries will give the best performance.

To check if batteries need replacing, remove the rear cover and press the button. If the light does not blink, replace the batteries.

If required, replace the batteries and then follow the instructions in the App to recalibrate the gauge.

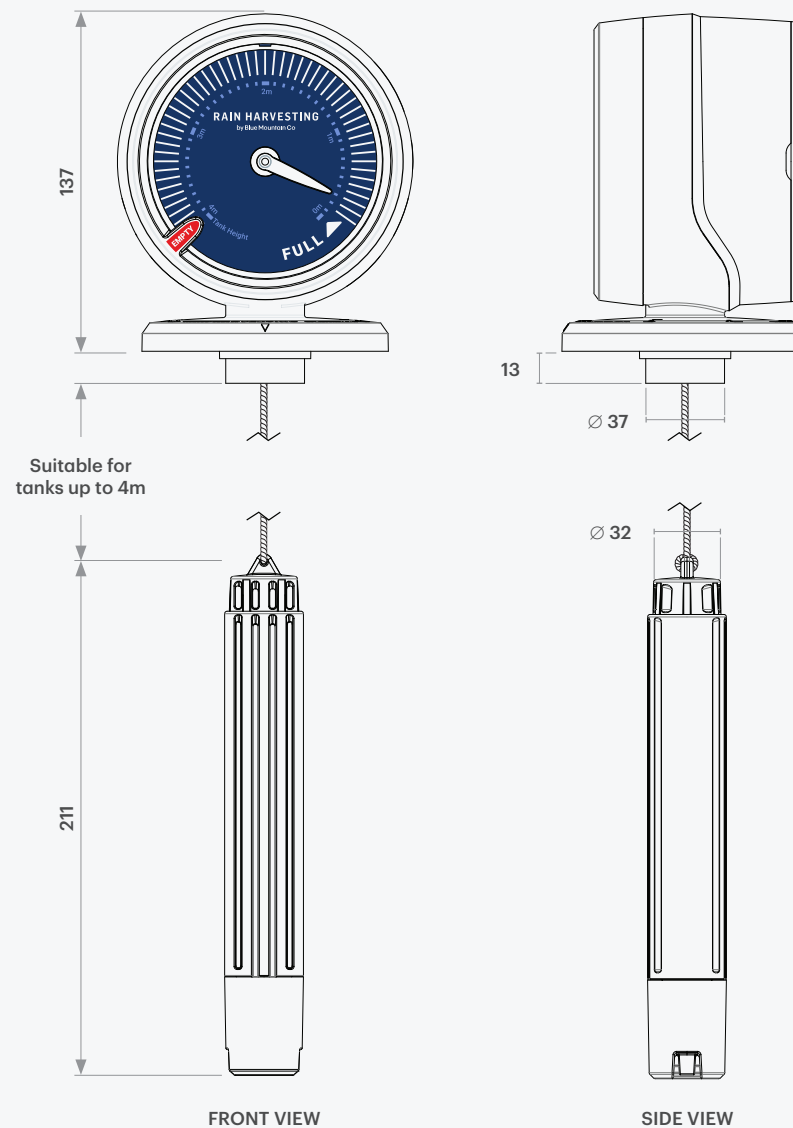
Replace the rear cover, ensuring it is properly seated and sealed.

If required, wipe the gauge clean with a damp cloth. Do not use any cleaning products.

WARNINGS

- Only use AA Lithium or Alkaline batteries and ensure the batteries are inserted correctly (do not reverse polarity).
- Do not mix old and new batteries, or different types of battery.
- Do not expose the batteries to excessive heat or fire.
- Remove batteries if they are flat or if the unit will not be used for a long time.

PRODUCT DIMENSIONS



ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.

PRODUCT SPECIFICATIONS AND COMPLIANCE

Local Connectivity



Bluetooth

For on demand tank level monitoring, you can connect to the Tank Gauge Plus via Bluetooth using the Rain Harvesting app.

Remote Connectivity



Sigfox* IoT network

Tank Gauge Plus can continuously send data to the cloud via the Sigfox network so you can manage and monitor your tank levels at any time using the Rain Harvesting app.



Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

(Only applicable for model MGTG1RC2)



RCM



CE marking is a key indicator of a product's compliance with EU legislation and enables the free movement of products within the European market.



RoHS

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European Community directive 2002/96/EC on waste electrical and electronic equipment (WEEE) which, together with the RoHS Directive 2002/95/EC, became European Law in February 2003. The WEEE Directive set collection, recycling and recovery targets for all types of electrical goods, with a minimum rate of 4 kilograms per head of population per annum recovered for recycling by 2009. The RoHS Directive set restrictions upon European manufacturers as to the material content of new electronic equipment placed on the market.

* What does RC1, RC2 & RC4 mean?

There are different hardware versions of the Tank Gauge Plus for use in different geographic zones where the Sigfox network operates. For example, RC4 (Radio Configuration 4) is for use in Australia, New Zealand and parts of Asia Pacific as well as Latin America. The Sigfox network is constantly expanding so refer to our website to check which version of the Tank Gauge Plus is suitable for your location.

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WARRANTY INFORMATION

Rain Harvesting Pty Ltd guarantees this product for 12 months from date of purchase. Under this warranty we will replace the product or repair it free of charge. Claims must be received by Rain Harvesting Pty Ltd at the address below within 12 months of the date of purchase. The benefits conferred by this warranty are in addition to all other rights and remedies available in law in respect to the goods and services to which it relates.

Our goods come with guarantees that can not be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonable foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

DISCLAIMER This product specification is not a complete guide to product usage. Further information is available from Rain Harvesting Pty Ltd and from the Installation and Operating Instructions. This specification sheet must be read in conjunction with the Installation and Operating Instructions and all applicable statutory requirement. Product specifications may change without notice. © Rain Harvesting Pty Ltd.