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# DAM AND TANK LEVEL MONITOR

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## PRODUCT OVERVIEW

A solar powered transmitter equipped with a 5m submersible sensor (6m of cable provided) allows farmers to quickly deploy tank and dam level monitoring. The stainless-steel pressure transducer is simply dropped into the tank or dam, and as the water level changes, the pressure transducer detects the minute pressure variations, which are transmitted back over the AGWAN LoRaWAN network. Once received by the base-station/gateway at the farmer's residence, this is uploaded over the internet to the AGWAN Cloud and converted into a depth that the farmer can view on the AGWAN App. Users can set alarm limits so that text message notifications can be received should water levels go beyond maximum or minimum thresholds.



When paired with a pump controller, this device can be used to automatically fill tanks or irrigation holding dams.

## HARDWARE SPECIFICATIONS

- Optimized LoRaWAN Frequency: 915Mhz (Australia/USA/CANADA/New-Zealand)
- Range: Typically 5km from base station in slightly undulating terrain, however performance will vary with topography and vegetation.
- Product Weight: 1050g
- Onboard Battery: Lithium-Ion 3.7V, 14500 form factor, 800MAh (min) rechargeable (Supplied)
- Power Input: Integrated 5V solar panel.
- Mounting Bracket (Supplied): 3mm 6060T5 Aluminum
- Bracket to Post Mounting Hardware (Supplied): 2x 50mm self-drilling galvanized roofing screw, 5/16" (8mm) hex head.
- Device to Bracket Mounting Hardware (Supplied): 4x #8 Self Tapping Screw.
- Pressure Sensor: Submersible stainless steel, 5m depth range, 6m cable.

### Input/Outputs

- 1X Analogue Input, 0-3.3V.