



# ARR

**AUTOMATIC RAINFALL RECORDER**



PT Merapi Tani Instrumen

Sleman, DI Yogyakarta

# MERTANI AUTOMATIC RAINFALL RECORDER (ARR)



## Tentang ARR

MERTANI ARR merupakan perangkat untuk melakukan pemantauan curah hujan secara online (dalam jaringan), realtime (terus-menerus), dan akurat.

## Spesifikasi Produk

- Material ABS UV Stabilished plastic bucket
- Collecting  $\Phi 200+0.6\text{mm}$ ,
- Resolution 0.2 mm
- Measuring range rain intensity: 0~4mm/min;
- Maximum tolerance  $\pm 0.4\text{mm}(\leq 10\text{mm})$
- Accuracy  $\leq \pm 4\%$
- Operating temperature  $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
- Output mode RS485
- Include bull eye/ waterpass
- Dimensions Rain sensor: 310x310x460(mm)
- Can be widely used in areas of meteorology, hydrology, agriculture and forestry

## Penerapan Automatic Water Level Recorder (AWLR)

- Prediksi ketersediaan air
- Memantau resiko banjir
- Monitoring hujan



## Mertani Controller Box



## Battery

- Internal battery up to 10.000 mAh
- Solar panel 20-50 WP
- External power supply DC 4.1 V

## Specification

- Ultra-Low Power MCU
- Output digital sensor
- Operational temperature  $0^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Internal memory 16MB
- External Micro SD data logger (up to 128 MB)
- Weather-resistant (IP67)

## Monitoring

- Realtime monitoring
- Data transmission interval (5 minutes, 10 minutes, 15 minutes, 30 minutes, 1 hour, 2 hours, and so on)

## Connectivity

- GSM (2G and 4G)
- WiFi and Bluetooth Low Energy (BLE)
- LoRa 920-923 MHz
- GPS/ GLONASS/ GALILEO

## Number of Sensor Port

- 3 sensors (default)
- 10 sensors (extended)