



AWLR

AUTOMATIC WATER LEVEL RECORDER



PT Merapi Tani Instrumen

Sleman, DI Yogyakarta

MERTANI AUTOMATIC WATER LEVEL RECORDER (AWLR)



Tentang Automatic Water Level Recorder (AWLR)

MERTANI AWLR merupakan perangkat untuk melakukan pemantauan tinggi muka air secara online (dalam jaringan), realtime (terus-menerus), dan akurat.

Spesifikasi Produk

Sensor Water Level

- Detection out to 5-meters or 10-meters
- Resolution of 1-mm
- Operating temperature range from -40°C to $+65^{\circ}\text{C}$
- Operating voltage of 2.7V to 5.5V
- Nominal current draw of 2.3mA (peak $\sim 49\text{mA}$) at 3.3V, and 3.1mA (peak $\sim 98\text{mA}$) at 5V

Penerapan Automatic Water Level Recorder (AWLR)

- Penyesuaian regulasi lahan gambut
- Peringatan dini banjir
- Mengurangi resiko kebakaran lahan
- Manajemen irigasi dan drainase



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°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)