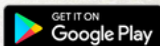


EARLY WARNING SYSTEMS

BE EWS-100-WL



AVAILABLE ON



Solusi Cerdas untuk Peringatan Dini Area Bendungan

Perangkat ini dirancang khusus untuk monitoring otomatis **peringatan dini** dalam pemantauan jangka panjang. Menggunakan **BE Data Logger**, produk unggulan dari Beacon Engineering, perangkat ini menyediakan pencatatan data yang sangat akurat dan otomatis. Kemampuannya untuk mengukur data dari puluhan sensor secara simultan menjadikannya solusi yang ideal, memberikan fleksibilitas untuk memperluas pengukuran sesuai kebutuhan. Sistem peringatan dini ini akan memberikan peringatan tepat waktu dengan memanfaatkan data dari sensor tracking yang relevan.

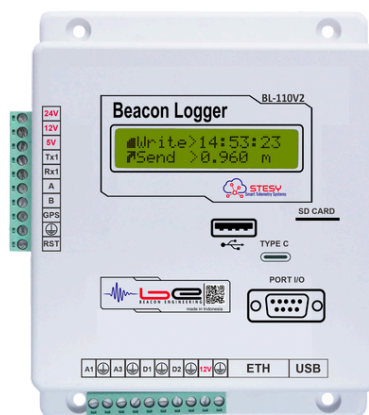


Benefits

- Easy to install, easy to use, and easy to maintain,
- Increase productivity and security for system monitoring,
- High reliability and accuracy,
- Technical support ready,
- Customized options are available (**please contact us**).



**Enclosure
BL-110 Series**

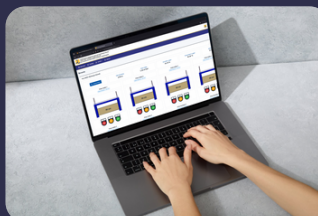


**Beacon Data Logger
BL-110 Series**



Power Supply Specifications

- 2x Solar Panel 12 Volt/ Power 100 WP
- Maximum current-power voltage (Vmp) 18.52
- Maximum power current (Ipm) 5.67 A/sheet
- Open circuit voltage (Voc) 22.94 V/sheet
- Short circuit current (Isc) 6.09 A/sheet
- Series resistance (Rs) 0.75
- Parallel resistance (Rsh) 128
- Fill Factor (FF) 0.7
- Efficiency (Eff) 15.3
- Type Cell Polycrystalline/ Mono-crystalline
- Solar cell mounting bracket included
- Deep Cycle Lid Acid Battery 12 Volt / 50 Ah



- Reliable for monitoring alerts of monitoring early warning systems,
- Used to measure automatically and in real time,
- Long term for automatic monitoring, measurement and data recording,
- Remote monitoring early warning data collection without visiting the location.

The **enclosure** of this device is made from ABS material with an IP65 rating, making it resistant to extreme weather and high temperatures. It is designed to protect the internal electronic components from damage caused by UV exposure, maintain internal humidity levels, and prevent corrosion, ensuring the device's durability and reliability.

The **data logger** uses a Lead Acid battery with Deep Cycle technology, enabling repeated charging and discharging cycles without compromising performance. This battery is built to withstand high temperatures and supports long-term usage.

Data communication for the data logger utilizes a cellular GSM modem, with an option to upgrade to VSAT data communication if needed. Additionally, the Beacon Data Logger features an Ethernet port, WiFi, and Bluetooth connectivity. It also includes a local web server accessible via WiFi or LAN, while Bluetooth connectivity allows for convenient device configuration.

Beacon Logger is compatible with a mobile application available for Android and iOS devices, called Beacon View. This application simplifies the configuration and monitoring of the data logger directly from the user's device.

Beacon Smart Telemetry Features :

- The data logger is designed to transmit data to the monitoring server every minute, which is then displayed on the dashboard with average updates every hour. The dashboard is equipped with maximum and minimum pointers to facilitate data analysis.
- Users can download the data directly through the website or mobile application in .CSV file format. Alternatively, data can also be retrieved from the SD card installed in the data logger.
- The data logger features an automatic backup system, where data is stored on the SD card in case of an internet connection disruption to the server. Initial configuration of the data logger can be performed via a USB port or Bluetooth connection using the Beacon View application on a smartphone.
- The device programming is managed through a Command Line Interface (CLI) and is supported by onboard data processing. To ensure stable device operations, the data logger is equipped with an external watchdog timer.
- Additionally, the device has internal sensors to monitor battery voltage, temperature, and humidity, with data sent to the monitoring server for device stability analysis. A high-precision Real Time Clock (RTC) is integrated into the device and displayed on the LCD screen.
- This data logger is certified as Made in Indonesia and complies with **ISO 9001:2015, ISO 27001:2013, and ISO 30141:2018**



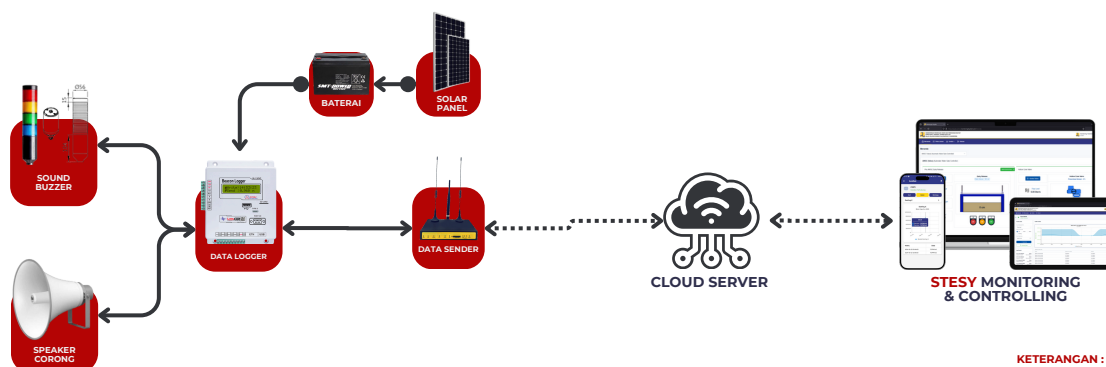
Beacon Logger BL-110 Specifications

- Internet connection using 4G Wireless Router, LAN ports, and WIFI transmission channel
- STM32F407xx: Arm Cortex Core 32-bit, Clock Speed Up to 168 MHz, SRAM 192 KB, back up SRAM 4 KB, Flash Memory up to 1 MB (full SMD single on-board using industrial PCB)
- Analog Input 8 channels, Digital I/O 4, 16-Bit ADC resolution
- Operating input voltage 10 - 24 VDC
- Built-in DC regulator output 5VDC, 12 VDC and 24VDC for various sensor power supply
- Communication ports 1x Serial Data RS232, 1x Modbus RS485, 1 x USB Port, 1 x Ethernet port TCP/IP, 2, BLE Bluetooth low Energy
- DB9 Serial Port, Type C Port, USB Port, SD Card up to 16 GB dan SD Card Slot
- Average operating temperature -40 to +85°C, Dimensions 125.6 x 45 x 155.6 (mm) and use Flame-resistant ABS
- Support Download data using local wifi connection
- Data measurement format Excel (CSV File)
- LCD display 16x2 character with green LED background



Early Warning Systems Specifications

- Warning system beacon for alarm, 4 level warning with fix sound buzzer
- Light Operation - Steady, Power Supply - 24V AC/DC
- Mounting / Connection - Pole Mount / Lead Wires
- Lens Colors - Red / Yellow / Green / Blue, Number of LED Tiers - 4 Stack
- Dimensions (Tower Light Only) - 279mm H x 56mm
- Diameter Vibration - 3mm at 10 - 55Hz
- Ambient Temperature from -15 C to 40 C (5 F to 104 F)
- Storage Temperature from -40 C to 70 C (-40 F to 158 F)
- Ambient Humidity from 45 - 85% RH
- Recommended Wire Size - 1007 UL / 22 AWG, IP Protection IP 65
- Rated Input Selection/Impedance : 25W, 15W, 10W, 5W (100V line)
- Frequency Response : 200 - 6500 Hz
- Sound Pressure Level (1W/1m): 117dB
- Dimensions (O x D): 500 x 477mm
- Material : Horn (Flare & Inner); Aluminium/Brackets; Steel/Unit Cover; ABS Resin



KETERANGAN :

- WIRELESS (dashed line)
- NON WIRELESS ——— (solid line)