

Meter Transmitter

DL-BW-B Series



Overview

The meter transmitter can connect to multiple sensors at the same time. This series of transmitters supports a variety of power supply methods, and the built-in battery can be adapted to difficult scenarios of field power supply, providing customers with a complete field water quality monitoring data transmission program.

The meter transmitter supports RS485 bus communication, using standard Modbus RTU protocol, and can support up to 4 channels of sub-devices at the same time; through analog signal acquisition, using 4-20mA and 0-10V two channels can support each 1 Simultaneous access of road equipment. Users can quickly configure sensor information, connect to the transmitter, and transmit data in real time.

The DL-BW-B meter transmitter supports wireless data output. Through Wi-Fi and 4G networks, users can upload the collected data to the cloud and support HTTP and MQTT protocols. Users can realize remote data viewing through WQS-Server (WQS cloud service). DL-BW-B also supports wired data output, through the RS485 host connection interface, users can read data through Modbus RTU protocol.



Main Features

- Supports use in field and other unpowered environments
- Support 4-20 mA or 0-10 V analog input, I/O input and output
- Wireless communication, supports 2G/4G, Wi-Fi.
- Strong compatibility, can connect to all our sensors and other RS485 communication mode sensors.
- Compact size, easy to install

Specifications

Display	170×170×90 mm	Power	< 2 W (Unconnected sensor)
External power supply	DC12 V to DC24 V	Installation	Wall-mounted
Internal power supply	4 x 3.6 V D-type power battery 14.8 V rechargeable lithium battery pack (optional)	Data storage	32 GB
IP rating	IP65	Communication	RS485(Modbus RTU), WiFi, 4G

Meter Transmitter

DL-BW-B Series



Interface

Model	Output Interface	Input interface	Wireless communication
DL-W-B	1 channel RS485 output.	4 RS485 (ModbusRTU protocol) interface	RS485 (ModbusRTU protocol).
	2 channels of low output are valid,	1 channel 4-20 mA analog input	4G, WIFI (HTTP, MQTT protocol).
	2 channels of high output are valid	1 channel 0-10 V analog input	BLE (App private protocol)

Application



All our sensors or devices



Data acquisition and signaling for pipe network equipment



Signal transmission or relay