

TECHNOLOGY

HOLYKELL[®]

FLOWMETER

• DATASHEET •

1. Pressure Measurement 2. Level Measurement 3. Temperature Measurement
4. Flow Measurement 5. Display & Control Instruments

Wireless Electromagnetic Flow Meter (4811)

Product Introduction

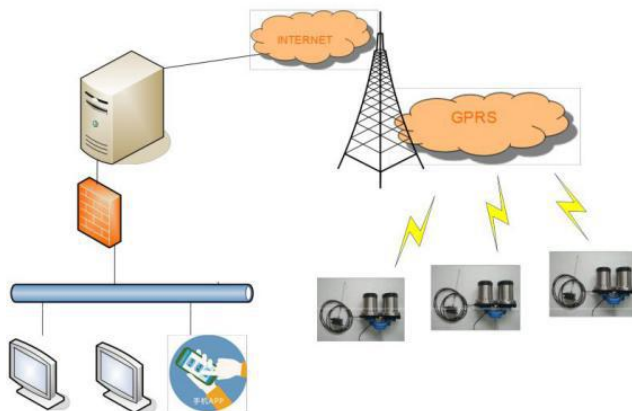


Fig 1. Network topology diagram

The battery-powered electromagnetic converter series, the series of converters with ordinary electromagnetic flow meter sensor matching, and to achieve 0.5 level measurement accuracy. In other words, simply the original ordinary electromagnetic flow meter, replace the converter, the user developed a new product-battery-powered products.

Battery-powered converters are standard with a conventional lithium battery pack, which lasts for 3-6 years. If equipped with high-capacity lithium battery pack, the continuous working time will be longer.

The battery-powered converter has GPRS and CDMA wireless data transmission function; Rs485 modbus Protocol (external power supply or battery-powered) communication functions, in addition to the SRD base station wireless network communication system to achieve data acquisition and management.

Product Features

1. Ultra low-power;
2. Easy operation: users can configure operation by remote controller, magnet pen, LCD;
3. Diversity of wireless communication: the wireless network includes GPRS/4G/NB-IoT/Lora and other communication modes, and users purchase according to the scene conditions;
4. IP68 protection grade, waterproof, moisture-proof and soaking prevention;
5. Standard SIM card, users do not need to open the lid, greatly protect the waterproof performance;
6. Powerful server background processing function, it provides intuitive and convenient data query, analysis, alarm and other functions for various application scenarios. Also has the SIM card renewal management function, greatly improves the network potency;
7. Support browser, mobile phone App and other ways to view data, remote matching, firmware update, etc;
8. The powerful technical team provides technical support for convenient access to the third party service platform.

Specification

Parameter	Specification
Applicable measurement path	DN10---DN1600
Wireless network mode	GPRS/4G/NB-IoT/Lora optional
Communication mode	RS485 (modbus protocol),GPRS, CDMA
Flow Measurement range	0---15 m /sec
Matching precision level	0.5
Measuring parameters	Instantaneous flow rate, instantaneous velocity
Protection grade	IP68
Working temperature	-25~50°C
Working environment humidity	≤95%
Detection alarm parameters	Fluid air tube detection alarm, excitation current detection alarm
Record parameters	Total traffic accumulation

Type Selection

Model		Wireless Electromagnetic Flow Meter
4811	-B	Battery powered
	-220	220V power supply
	-24	Both battery and 220V power supply