

## Wireless Analog Sensor

4~20mA or 0~5V signal

## Wireless Modbus Sensor

RS485 Modbus



It features low power consumption optimized for battery-powered operation and a compact form factor. Optional solar power ensures non-stop measurement at a faster rate.

### G7-AD

It is compatible with analog sensor.

#### Analog Channel

- Single analog channel
- Signal: 4~20mA or 0~5VDC
- 16-bit independent A/D converter
- 250-ohm input impedance

### G7-MS

It is compatible with Modbus sensor/meter.

#### RS485 Modbus

- RS485 port
- Modbus Protocol
- 2 x data registers, programmable address
- Programmable register address

#### ❖ Low Power Design

Micro-controller supports sleep mode for years long operation in battery.

#### ❖ Internal Power Output

It provides on board voltage output 12VDC for external analog sensor or RS485 Modbus meter.

#### ❖ Warm Up Time

Stabilize external analog sensors reading before capturing data.

### Features

- \* Up to 1200m wireless
- \* Programmable data upload interval: 5s ~ 4hr
- \* Programmable High/Low Alarm Level
- \* RF 433/868/915MHz, RF Power < 20dBm
- \* Programmable 5 digits sensor ID

### Characteristics

- Supply Voltage: 2.5 ~ 3.6VDC
- Storage Temperature: -40 ~ 75 C
- Operating Temperature: -20 ~ 75 C
- Upload Rating: 50mA
- Standby Rating: < 3.0uA

### Power Options

#### 1) Extended Battery

- Voltage: 3.6VDC, 14000mAh
- Battery Life: > 10 years (upload: 30min)
- Dimension: 115 x 90 x 55 mm



#### 2) Solar panel & controller built-in

- Integrated 1W solar panel
- Onboard overcharge protection
- 3400mAh rechargeable battery
- Dimension: 115 x 90 x 55 mm



## G7-AD Wireless Level Sensor

- G7-AD-LS Pressure Type Level Sensor
- G7-AD-UL Ultrasonic Level Sensor
- Analog Signal or RS485 Modbus
- Wireless Tank or River Level Tracking



## G7-MS Wireless Soil Sensor

2 x Modbus Data Register  
Optional Solar Power

- G7-MS-TH Soil Temperature & Moisture
- G7-MS-EH Soil EC & Moisture
- G7-MS-EP Soil EC & pH



- Solar Power Options:
1. Integrated 1W solar panel
  2. External 3W solar panel

## G7-MS-FM Wireless Modbus Flowmeter Sensor

- Instant Flow & Total Volume
- No Cable Installation
- No AC power required
- Support Multiple Flowmeter

