



# MAESTRO V-WIRE

## Low power wireless remote monitoring



### FEATURES

- Low power
- Wireless remote monitoring and reporting
- Robust
- Self powered
- User configurable
- IP67 (submersable to 1 metre)
- Battery life span 3-5 years
- Modbus RTU
- Up to 1.5km


### SPECIFICATIONS

- **Field Device:**
  - 2 x DIN / pulse
  - 2 x AIN
  - 1 x Modbus RTU Master RS485 interface
  - 1 x 5VDC source
  - Onboard battery load calculator
  - Easy to configure and install
- **Receiving unit:**
  - Externally powered
  - 5-18VDC @ 580mA (when transmitting)
  - RS485 communication interface
  - Plug and Play


### APPLICATIONS

- Chamber security
- Flow meter monitoring
- Cable replacer
- Wireless IO monitoring
- Remote wireless IO interface to PLC/RTU
- Modbus level, flow, temperature, ect. sensor interface
- Modbus water quality sensor interface

### CONTACT

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# SPECIFICATIONS

## RECEIVING DEVICE

### SERIAL INTERFACE

- Ports: 1 x RS232  
1 x selectable RS232/RS485 MODBUS RTU Master
- Configuration: 9-pin Male Weipu SP17 Series  
4-pin Male Weipu SP17 Series
- Baud rate: 9600bps ~ 57600bps

### RF INTERFACE

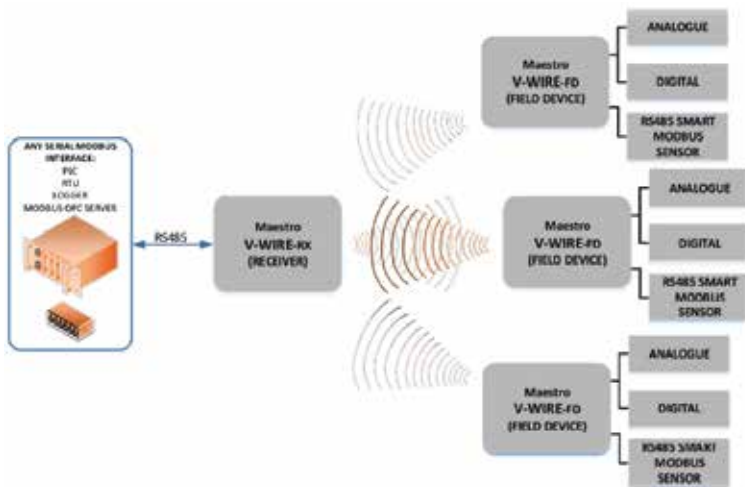
- Frequency: 868MHz ISM-band (27dBm max output power)
- Sensitivity: -109 dBm
- Range: ≤ 3 km
- Connector: SMA

### POWER

- Input voltage: 5 to 18 VDC
- Power Consumption: 580 mA@12 VDC when transmitting
- Connector: 2-pin Male Weipu SP17 Series

### MECHANICAL

- Ingress Protection: IP67
- Housing: Cast Aluminium
- Dimension: 130 x 152 x 55 mm
- Installation: Single bracket for wall / pole mount



## FIELD DEVICE

### SERIAL INTERFACE

- Ports: 1 x RS232  
1 x RS232/RS485 MODBUS RTU Master
- Configuration: 9-pin Male Weipu SP17 Series  
4-pin Male Weipu SP17 Series
- Baud rate: 9600bps ~ 57600bps

### RF INTERFACE

- Frequency: 868MHz ISM-band
- Power: 27dBm
- Sensitivity: -109 dBm
- Range: ≤ 3 km
- Connector: SMA

### PHYSICAL INPUTS

- IO: 2x DI (dry contact)  
2x AI (4-20 mA, 24 VDC from device)
- Connector: 7-pin Male Weipu SP17 Series

### SENSOR INPUTS

- Type: 1x MODBUS RTU Slave sensor  
RS232/RS485 selectable (5 VDC source)
- Connector: 4-pin Male Weipu SP17 Series

### POWER

- Rechargeable: 4.4 Ah battery (Solar version)
- Non-rechargeable: 65 Ah battery
- Battery Life: 3 ~ 5 years

### SOLAR PANEL

- Nominal Voltage: 6 VDC
- Min Power output: 2.8W
- Max Open Circuit Voltage: 10.2 VDC

### MECHANICAL

- Ingress Protection: IP67
- Housing: Cast Aluminium
- Dimension: 180 x 180 x 55 mm
- Installation: Bracket for wall / pole mount  
Bracket for vertical / horizontal mount

