

BAYLAN

WATER METERS

RF (LoRa) Automatic Meter Reading Module UM-1



GENERAL

- Integrated Lora module-chipset allows both LORA and FSK modulation
- Supports LoRaWAN™ - Class A Protocol
- Supports Wireless MBUS Protocol
- Supports LoRaWAN™ and Wireless MBUS Protocols simultaneously (Optional)
- Selectable Frequency Band EU 863-870 Mhz
- Power Supply 3.6V Lithium Battery
- Automatic meter reading, no need to enter the house
- With inductive sensor full protection against magnetic
- Great saving from time, fast and reliable solution
- Detects illegal interventions and records
- Electronic flow detection
- Real time clock
- Easy assembly • Internal battery
- By creating databases, you can easily control consumption values
- Almost no maintenance • 3 years of warranty
- 10 years of spare parts and service

PERFORMANCE DATA

Working Frequency	:	868 MHz
Modulation	:	LoRa
Protocol	:	LoRaWAN
Transmitter output power	:	14dBm
Communication Speed	:	0.3-10 Kbps
Communication Type	:	two way (reciever-transmitter)
Bandwidth	:	125 kHz
Effective Distance (outside)	:	3000 m
Gateway Capacity	:	+ 1000
Energy	:	3.6V DC lithuim battery
Battery life	:	10 years
Working Temperature	:	-20/+70°C
Weight	:	80 Gr.
Protection class	:	IP68
Suitable Baylan Models	:	Suitable for all type Baylan meters except SD types

DIMENSIONS

Total Height	H	60	mm
Axis Height	h	36	mm
Length	L	78	mm

