

**Bulk Wireless AMR Water Meter  
(GPRS)**

**User's Manual  
&  
Installation Guide  
DN32-600**

# I .Overview

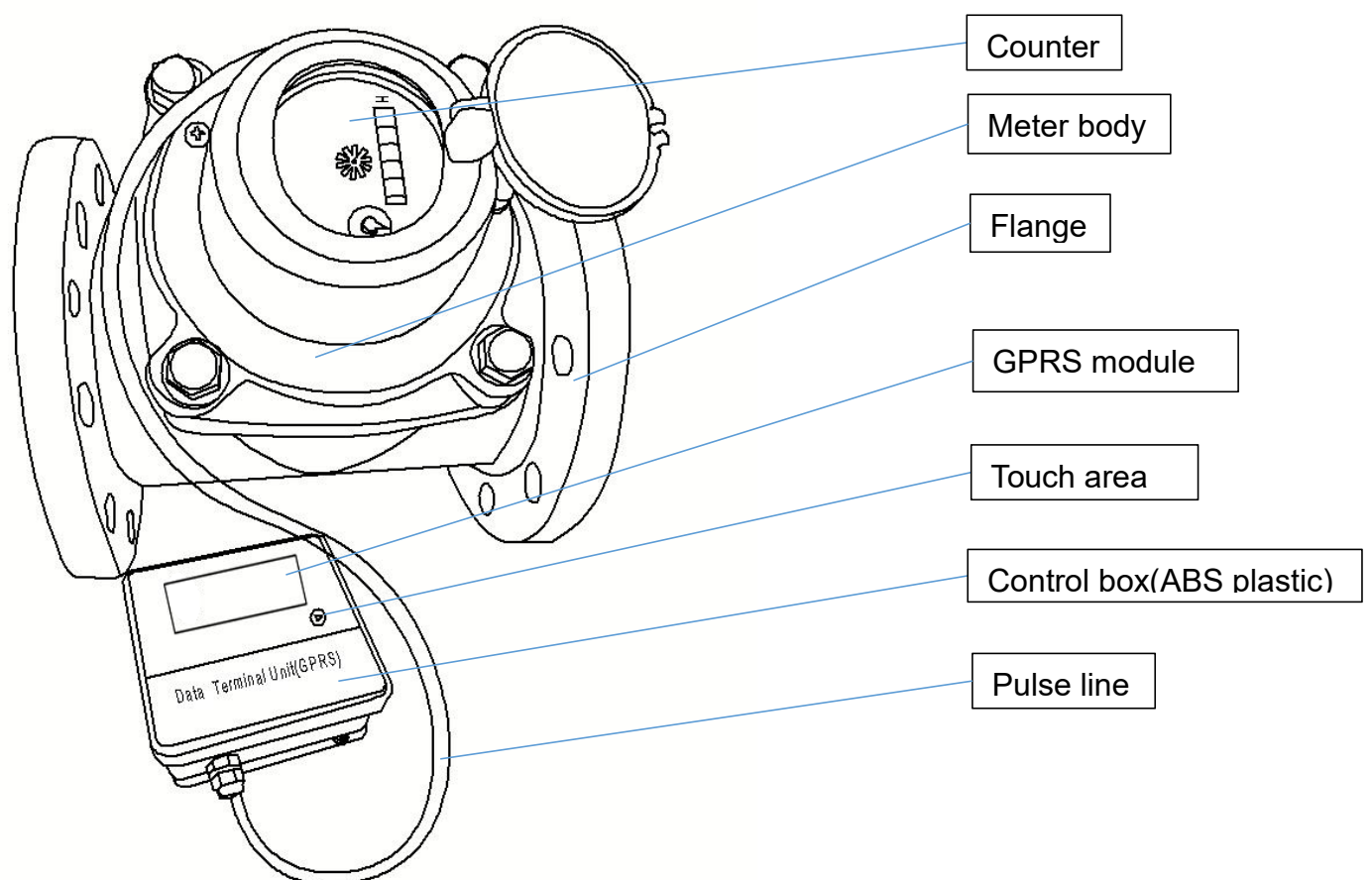
It is a wireless smart water meter that can automatically transmit water meter data wirelessly and remotely control smart switches. Please read this manual carefully before use, so as to use it to best advantage and avoid unnecessary loss.

Features:

- ▲ The water meter can automatically transmit data every day, and the administrator can remotely access the water meter data on the PC side;
- ▲ You can optionally add this DTU device to your already installed pulse remote water meter for wireless data transmission;
- ▲ The water meter and the collection module are separated, which can reduce the trouble caused by maintenance;
- ▲ If your water meter is installed underground and the signal is poor, you can choose to customize an extended antenna to increase the stability of the data transmission

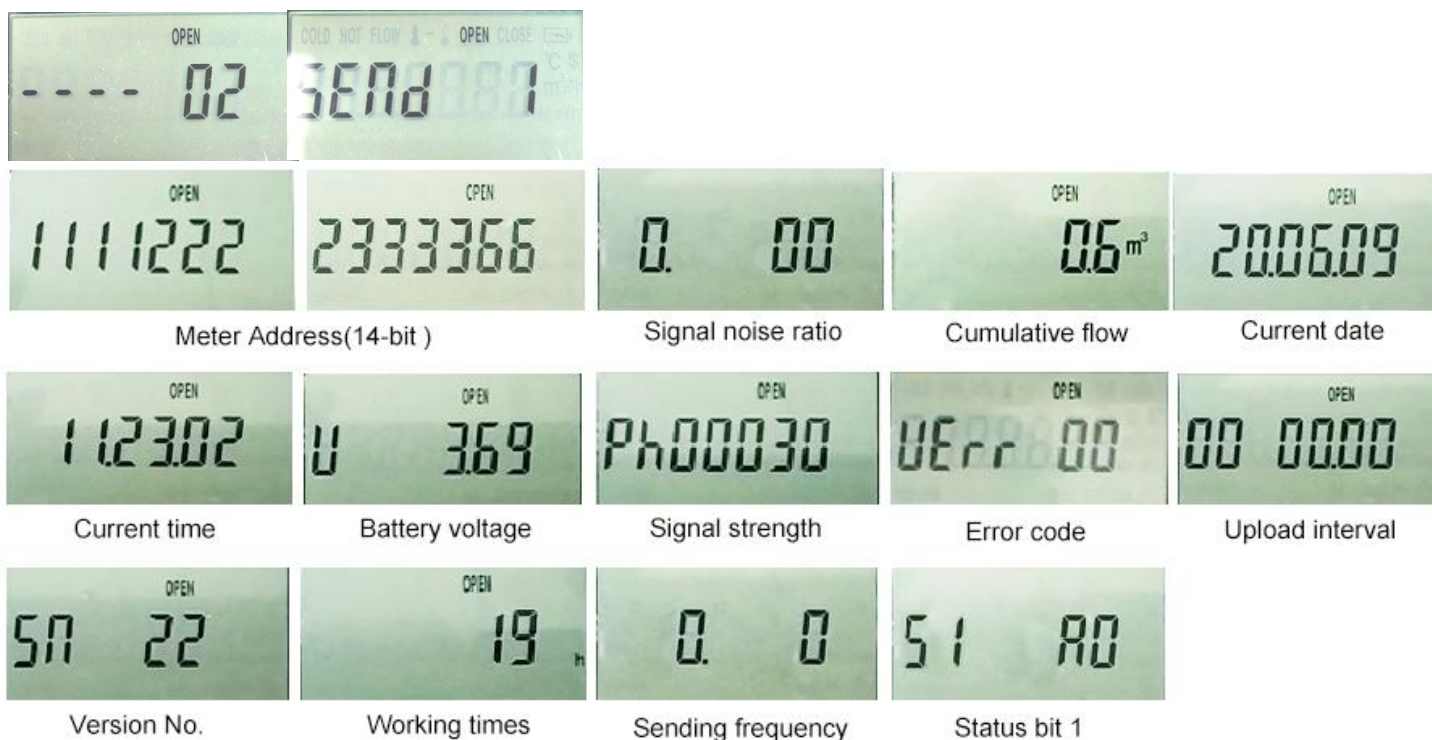
# II .Composition

It consists of impulse mechanical water meter and data collector (GPRS), etc., detailed as follows.



### III. Display Functions

**Active trigger online method:** Touch the hidden area in the lower right corner of the LCD screen to switch the interface. If you need to actively trigger the water meter to go online, you can touch the area 3 times in a row. Trigger interval > 1S, if it is lower than this standard, it will be regarded as invalid touch.



### IV. Technical Parameters

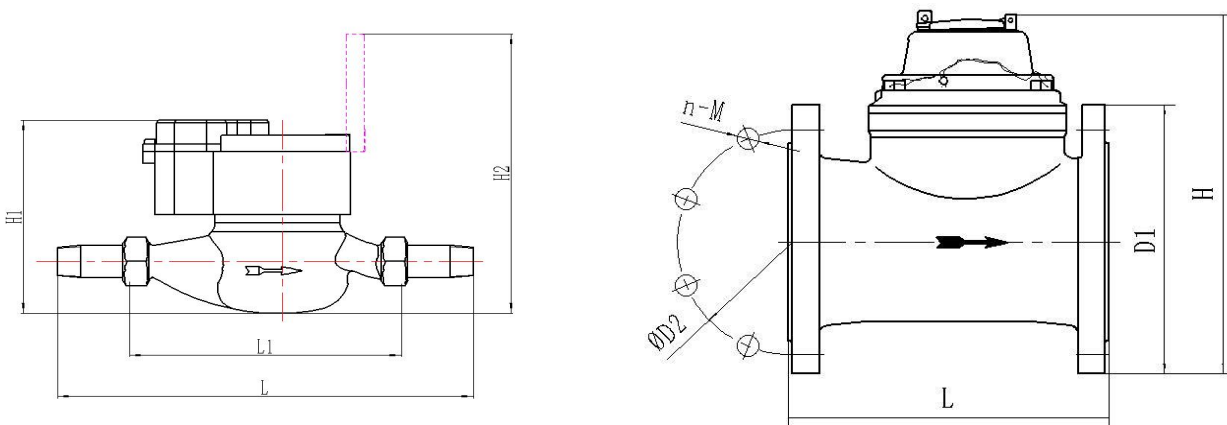
Type	Size (mm)	R (Q <sub>3</sub> /Q <sub>1</sub> )	Q <sub>4</sub>	Q <sub>3</sub>	Q <sub>2</sub>	Q <sub>1</sub>	Min. Reading	Max. Reading
			Overload Flow	Permanent Flow	Transitional Flow	Min. Flow		
							m <sup>3</sup> /h	m <sup>3</sup>
LXLC-50	50	R50	31.25	25	0.8	0.45	0.0005	999,999
LXLC-65	65	R50	50	40	1.28	0.75	0.0005	9999,999
LXLC-80	80	R50	78.75	63	2	1.2	0.002	9,999,999
LXLC-100	100	R50	125	100	3.2	1.8	0.002	9,999,999
LXLC-125	125	R50	200	160	5.12	3	0.002	9,999,999
LXLC-150	150	R50	312.5	250	8	4.5	0.002	9,999,999
LXLC-200	200	R50	500	400	12.8	7.5	0.002	9,999,999
LXLC-250	250	R50	787.5	630	20.16	12.6	0.02	9,999,999

LXLC-300	300	R50	1250	1000	32	20	0.02	99,999,999
LXLC-350	350	R50	1600	800	160	24	0.2	999,999,999
LXLC-400	400	R50	2000	1000	200	30	0.2	999,999,999
LXLC-450	450	R50	2000	1000	200	30	0.2	999,999,999
LXLC-500	500	R50	3000	1500	300	45	0.2	999,999,999
LXLC-600	600	R50	6000	3000	600	90	0.2	999,999,999

### Communication parameters

Data name	Parameter
Static power	15uA
Power consumption	60mA@RX
Control box	BBS plastic
Trigger mode	Touch
Reporting interval	1~144 hours can be set (The default is to send data once a day)
Pulse signal bit	0.01/0.1/1m <sup>3</sup> can be set
Power supply	3.6V DC 8.5Ah It can support about 1400 online times

### V.Outline Dimension



Nominal diameter	Length L	Height H	Connection flange GB/T17241.6-2008		
			mm	φD1	φD2
50	200	383	165	125	4-M16
65	200	433	185	145	4-M16

80	225	450	200	160	8-M16
100	250	480	220	180	8-M16
125	250	515	250	210	8-M16
150	300	543	285	240	8-M20
200	350	610	340	295	12-M20(1.6MPa)
250	450	693	405	355	12-M24(1.6MPa)
300	500	766	460	410	12-M24(1.6MPa)
350	500	590	520	470	16-M24(1.6MPa)
400	600	660	580	525	16-M27(1.6MPa)
450	600	700	640	582	20-M27(1.6MPa)
500	800	760	715	650	20-M30(1.6MPa)
600	800	880	840	770	20-M33(1.6MPa)

Note: The above technical parameters are subject to change for customization.

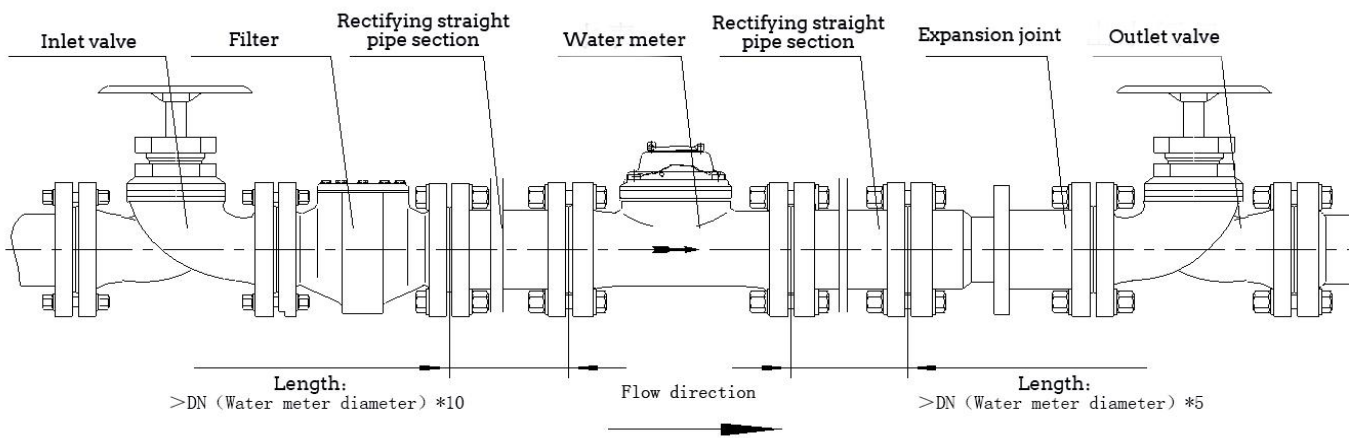
## VI. Notices for Installation

- ★ Flush pipes before installation to avoid gravels and other foreign objects;
- ★ Install a valve and filter before the water meter;
- ★ Do not touch the electrical part or pull wires to avoid damage during installation;
- ★ Reserve an adequate space for maintenance during installation;
- ★ When the water meter is installed in a horizontal or inclined way, the ultrasonic flow probe on pipes shall be placed horizontally, and when installed in a vertical way, make sure the water flows from down to up.
- ★ Please note that the arrow direction on the pipe shall be consistent with the water flow direction during installation;
- ★ The joint washer shall be installed correctly to avoid misaligned washer blocking water and affecting accuracy of the water meter;
- ★ The water meter shall not be installed at the place that may be affected by strong mechanical vibrations;

Special Notices: 1. Be sure to install an on-off valve and filter before the water meter and another on-off valve is recommended after it for maintenance. In order to

prevent backflow, a check valve should be installed in front of or behind the water meter.

### Installation Figure:



★Before using this water meter, the pipe must be filled with water, otherwise it will lead to inaccurate or even non-measurement.

★When installing the water meter, should be reserved length of DN\*10 in front of the water meter. Or should be reserved the length of DN\*5 behind the water meter.

★The water meter shall refresh the display at every 4s, and read the water meter (including the starting value and end

value) 4s at least after the valve is closed when test the water meter, otherwise the testing results may be affected;

★Please make sure the medium flow is within the flow range of the water meter during test and use, otherwise it may result in damage to the water meter;

★In case of any malfunction (e.g. metering failed, etc.) during use, please contact the related management department

immediately and do not repair it by yourself;

★The product is designed with a disposable anti-disassembly seal which shall be removed only by appointed personnel, or

otherwise it shall be excluded from the free after-sales service.