

# Sandwich-Type Ultrasonic Water Meter

## Product Manual



## Description

GUF140 sandwich-type water meter is mainly used in agricultural irrigation, garden management, water resources monitoring design and other fields. The water meter has the advantages of low cost, high measurement accuracy, low power consumption, stable and reliable operation. The thickness of the water meter is only 2 inches, which saves installation space and basically has no pressure loss. And all parts have reached the IP68 protection level, so that the water meter can work in various harsh environments. At the same time, the water meter can be equipped with a wireless transmission module. Through the smart cloud platform, wireless automatic meter reading is realized, which is a major breakthrough in agricultural irrigation water measurement.

## Features

- Wide range ratio (63:1)
- Multiple communication interfaces(RS485+MBUS)
- IP68 protection
- Wireless meter reading (optional wireless module)
- Quantitative control, time-sharing accumulation
- Long standby time (up to 10 years)
- Small size and light weight



## PARAMETERS

### 流量参数

Diameter	Measurement range ratio R	Flow rate(m <sup>3</sup> /h)				
		Starting flow rate	Minimum flow rate Q1	Transitional flow rate Q2	Permanent flow rate Q3	Overload flow rate Q4
DN50	40	0.10	0.63	1.00	40.00	50.00
DN65	40	0.16	1.00	1.60	63.00	78.75
DN80	40	0.25	1.60	2.50	100.00	125.00
DN100	40	0.40	2.50	4.00	160.00	200.00
DN125	40	0.60	3.20	5.00	200.00	250.00
DN150	40	0.80	4.00	6.40	250.00	312.50

### 技术参数

Model	GUF140
Measurement range ratio	63:1
Working pressure	< 1.6 MPa
Temperature	T30
Pressure loss	ΔP10
Working environment	-25°C ~ 55°C, IP68 protection
Display	cumulative flow, instantaneous flow, signal strength, flow direction, error, communication status etc.
Unit	m <sup>3</sup> , GAL, L, ft <sup>3</sup> , Acre Feet
Operating mode	two capacitive touch keys support sliding operation
Communication interface	Standard: RS485、infrared、MBUS
Communication protocol	MBUS, MODBUS, ASCII, CJ188
Power supply	3.6V lithium battery (life>10 years), 12 ~ 30VDC
Power consumption	< 0.1mW
Material	Pipe body: nylon (modified and reinforced); others: PC/ABS