

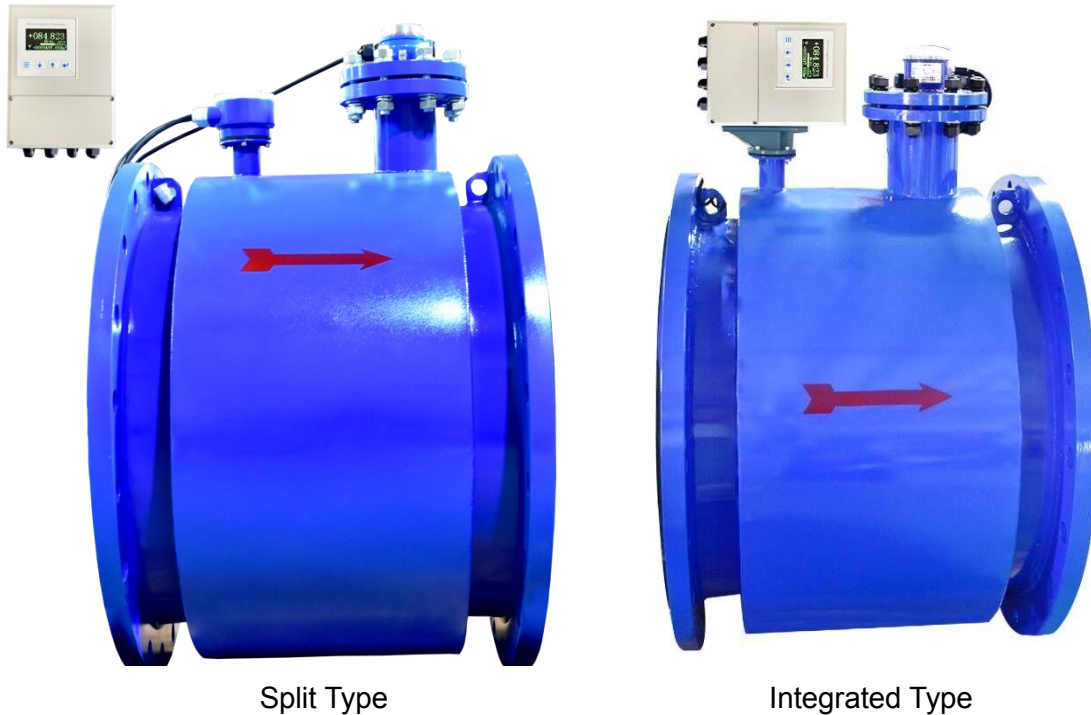
TECHNOLOGY

HOLYKELL®

5000 Series
FLOWMETER
• DATASHEET •

1. Pressure Measurement 2. Level Measurement 3. Temperature Measurement
4. **Flow Measurement** 5. Display & Control Instruments
6. Wireless Monitoring System 7. Velocity Measurement

5000 Series Non-full-tube Electromagnetic Flow Meters



Split Type

Integrated Type

■ Product description

5000 series non-full-tube electromagnetic flow meter is a new type of flow meter developed by our company that can measure liquid flow under non-full-tube conditions. Non-full pipe flow meter is an automatic flow measuring instrument that continuously measures fluid flow in open pipelines (such as semi-pipe flow sewage pipes and large flow pipes without overflow weirs) using the flow-area method. It can measure and display data such as instantaneous and accumulated flow rate. It is especially suitable for measurement of municipal rainwater, wastewater, sewage discharge and irrigation water pipes.

The non-full-tube flow meter is composed of an electromagnetic flow rate sensor, a liquid level sensor and a flow indicator, which continuously measures the flow velocity and level of the fluid in the pipe. The user only needs to enter the inner diameter of a round pipe or the width of a square pipe. 5000 series non-full-pipe flow meter will automatically calculate the flow in the pipeline and automatically display the measurement parameters such as instantaneous flow, flow rate, and accumulated flow in the pipeline.

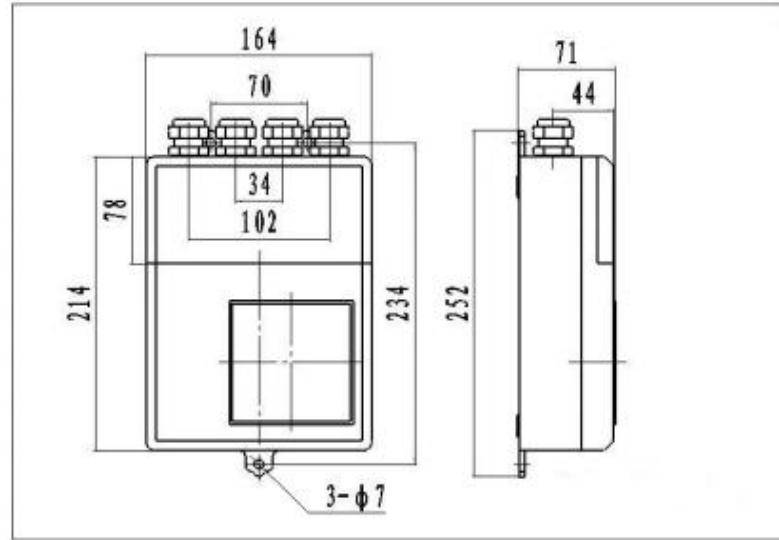
Product Features

- Can be used for flow measurement of open non-full pipe (round pipe, rectangular pipe or other special-shaped pipe);
- Can be used for continuous measurement of municipal rainwater, wastewater, sewage discharge and irrigation water pipelines;
- Can realize forward and reverse two-way flow measurement;
- The sensor can work reliably for a long time under the harsh scene and sewage water quality;
- Flow velocity measurement range 0.05-10m/s;
- The flow measurement accuracy is high, and it is not affected by factors such as downstream, direct current, blockage, etc.
- The large-screen OLED display can clearly read the measurement data under strong light or at night, three colors(green,white and yellow) for the digits can be selected;
- Instrument display and output functions are complete, it can display instantaneous flow, flow rate, cumulative flow and other data, and has RS485 MODBUS RTU interface (optional);
- With GSM and GPRS wireless data remote transmission function (optional);
- It has the functions of timing, counting and clocking out of power.

Parameter	5000 Series
DN	DN200-DN6000mm,rectangular pipe: width ≤6m
Measurement accuracy	water level ±2mm; flow rate ±1.0%; flow rate ±1.5%
Measurement range	flow rate 0.05-10m/s
Output	4-20mA/DC, Pulse output, RS232, RS485 MODBUS RTU, wireless data transmission GSM and GPRS optional
Wireless data transmission	GSM and GPRS optional
Power supply	220VAC or 12VDC, 24VDC
Conductivity of measured medium	≥20s/cm
Medium temperature	≤60 °C
Display	Large OLED display can display instantaneous flow rate, flow rate, cumulative flow rate, liquid level and other measurement data at the same time

Main technical performance parameters

■ **Dimensions**



Converter Dimensions