

BT7320

Hand-held Radar Flow Meter



Functional Features:

- ✧ Compact and portable design, comfortable to hold, suitable for non-contact measurements in complex environments.
- ✧ Customizable LCD screen and display program, providing real-time flow velocity, average flow velocity, tilt angle data, and other information during the measurement process.



- ✧ Storage of over 1000 measurement results, allowing for data retrieval, deletion, and transmission at any time.
- ✧ Supports bracket fixation and Bluetooth configuration, unaffected by harsh weather conditions, providing more comfortable and convenient operation.
- ✧ Ultra-low power consumption design, dual-mode power supply (rechargeable lithium battery/dry battery), ensuring all-weather response for emergency measurements.
- ✧ Self-developed core measurement module and velocity calculation algorithm, adapting to various complex wave environments, ensuring stable and reliable flow velocity measurements.

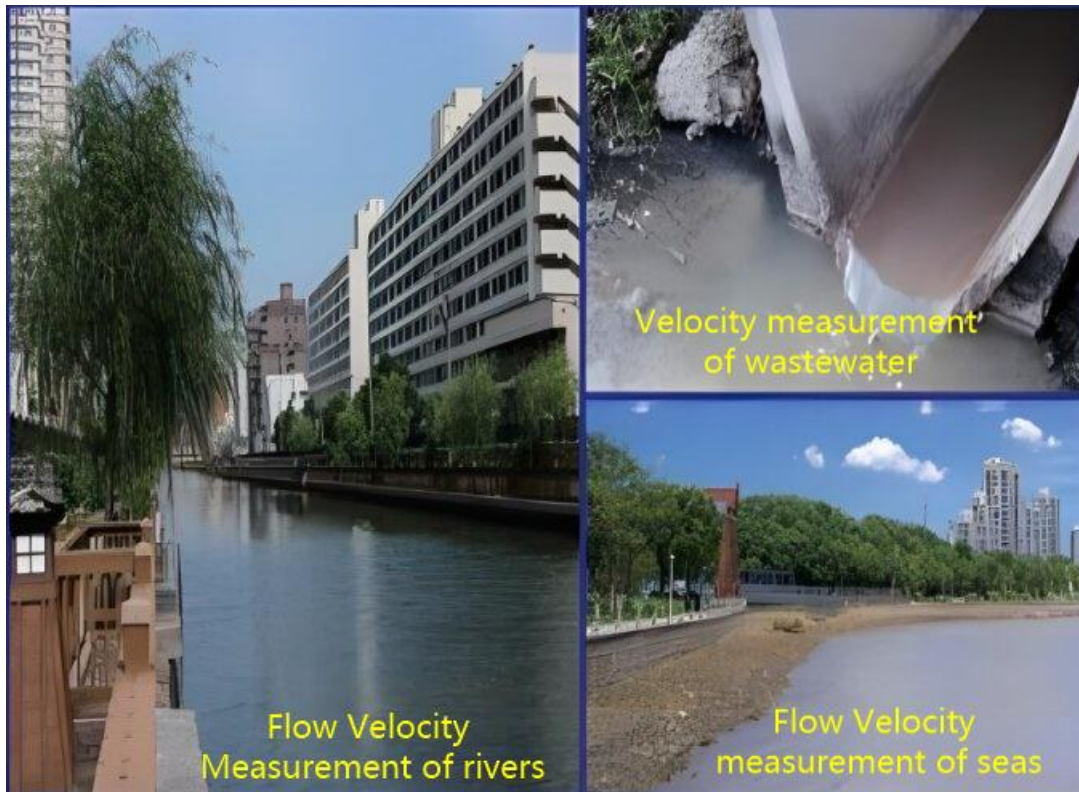


Product Parameters:

Velocity Range	0.05m/s-30m/s
Frequency	24GHz
Range	100m
Velocity Accuracy	$\pm 0.01\text{m/s}, \pm 1\%\text{FS}$
Antenna	Planar array antenna, $12^\circ \times 25^\circ$ angle automatic compensation
Compensation Range	Manual compensation in the horizontal direction ($0-60^\circ$), automatic compensation in the vertical direction ($30-70^\circ$)
Protection Level	IP68

Functional Modes	Fast measurement mode / Continuous measurement mode
Power Supply	Rechargeable lithium battery (8000mAh), continuous operation for 9 hours, standby for 26 hours
Power Modes	Supports dual-mode power supply (rechargeable lithium battery/dry battery), dry batteries can be used for emergency power supply
Operating Temperature	-35~80°C
Product Dimensions	Refer to the product dimension diagram
Weight	470g

Application Scenarios



- ✧ Sewage Flow Velocity Measurement:
- ✧ It can be used for measuring the flow velocity of sewage in wastewater treatment plants, sewage pipelines, and sewer systems. Accurate flow velocity data helps in monitoring and managing the sewage treatment process to optimize efficiency.
- ✧ River Flow Velocity Measurement:
- ✧ In river surveys, water resource management, and environmental monitoring, the flowmeter can be used to measure the flow velocity of rivers. This is crucial for river flow calculation, flood warning, hydrological research, and more.
- ✧ Ocean Flow Velocity Measurement:
- ✧ For oceanographic research, marine engineering, and ocean resource exploration, the flowmeter can be utilized to measure the flow velocity in the ocean. Understanding ocean flow velocity is essential for studying ocean dynamics, tidal research, marine energy development, and more.