



Shaanxi Besteetech Importing&Exporting Co. Ltd

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BT7360 24G Radar Flow Meter



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I. Overview

This open canal flow meter is composed of a radar flow meter and a radar water level meter. The flow meter is used to collect the fluid surface flow velocity, then calculate the the average flow rate across the water section by model, combined with the water level measured by the water level meter as well as cross-section information to calculate the cross-flow cross-section area, so as to utilize the formula $\text{flow rate} = \text{average flow rate} \times \text{cross-flow cross-section area}$ correction coefficient to get the flow rate. The correction coefficient is based on the actual measurement of the environment obtained by the standard value of the calculation.

II. Features

- Non-contact measurement, with cross-section parameters to calculate the flow rate, not affected by wind, temperature, fog, sediment, floating objects, etc.
- Applied to a wide range of measurement conditions, able to output s flow velocity, water level, and flow rate measurements

- With powerful flow measurement software, it can set cross-section data, receive and query flow statistics list, give statistics report and print it, and so on.
- Low power consumption, solar-powered, easy to install and maintenance-free

III. Technical parameter

Parameter	Description
Voltage	DC 7 ~ 28V
Voltage (12V)	Working voltage around 300mA, stand-by mode less than 1mA.
Working Temp.	-35° ~ 70°
Protection level	IP67
Frequency	24.000 ~ 24.250GHz
Communication interface	RS-232 / RS-485
Communication protocol	MODBUS-RTU / Self-defined

IV.Measurement parameter

Parameter	Description
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Range	0.15 ~ 15m/s
Accuracy	±2%
Speed resolution	0.01m/s
Distance range	0.4 ~ 40m
Distance accuracy	±1cm
Distance resolution	1mm
Antenna	Velocity: 14 x 32 ° Level: 11 x 11 °
Interval time	1 ~ 5000min

V.Appearance parameter

Parameter	Description
Flow meter (L×W×H)	220×120×83.8mm
Bracket (L×W×H)	100×100×100mm
Weight	Flow meter+Bracket: 5.8KG
Housing material	Galvanized, SS plate