

Intellia Flange Pipe Ultrasonic Water Flow Meter DN50~DN200



Parameters

Accumulated flow rate display	0.001m ³
Current flow rate display	0.001m ³ /h
Static work current	6uA
Battery life	7 years
Display range	8 digitals
Temperature	T30
Pressure	MAP16
Pressure loss	△25, △40
Ambient class	Class B
Protection	IP68
Accuracy	Class 2
Electromagnetic environment	E1
Installation	Horizontal or Vertical
Flow field sensitivity	U10/D5

Power supply options:

1. Battery
2. M-bus wire
3. DC 5-24V

Flow range

Flow Range	Q3/Q1 (minimum flow) 125
Permanent flow Q3	DN50 25 m ³ /h
	DN65 40 m ³ /h
	DN80 63 m ³ /h
	DN100 100 m ³ /h
	DN125 160 m ³ /h
	DN150 250 m ³ /h
	DN200 400 m ³ /h

Pipe measurements

Pipe Size (mm)	Pipe length L (mm)	Pipe width D(mm)	Height (mm)	Screw	OD of flange D1 (mm)	Diameter of flange (from the center of screw hole) (mm)
50	200	165	230	4-M18	165	125
65	200	185	240	4-M18	185	145
80	225	200	248	8-M18	200	160
100	250	220	258	8-M18	220	180
125	250	250	268	8-M22	250	210
150	300	285	320	8-M22	285	240
200	350	340	346	12-M20	340	295

Remarks

Attention of installation:

Avoid installing the meter in pumps, high-power stations, frequency conversion, where there is strong magnetic field and vibration interference;

Select the pipe section that should be uniform and dense, easy to ultrasonically transmit;

The straight pipe section upstream of the installation point must be more than 10D (Note: D = diameter), and the downstream should be more than 5D (see the figure below);

The installation point should have a distance of 30D from the pump upstream;

The fluid should be filled with tubing;

There should be enough space for on-site personnel to operate.

分 类	上游侧直管长	下游侧直管长
90° 弯头	<p>10 D 以上</p> <p>$L \geq 10D$</p> <p>检测器</p>	<p>$L \geq 5D$</p>
三通	<p>10 D 以上</p> <p>$L \geq 50D$</p> <p>10D以上</p>	<p>$L \geq 10D$</p>
异径接头 (扩展)	<p>0.5D以上</p> <p>$L \geq 30D$</p> <p>1.5D以上</p>	<p>$L \geq 5D$</p>
异径接头 (收缩)	<p>$L \geq 10D$</p>	<p>$L \geq 5D$</p>