

Main Technical Indicators

Functions	Integral-type	Split type
<b>Probe selection</b>	<p><b>Sensor selection:</b></p> <p>It is suggested to adopt 100KHz M48×2 probe for No. 1-4 Parshall flume. The measuring range is 1m, so that it is not likely to hit the wall of the Parshall flume or corners to form a false signal.</p> <p>The M48×2 probe has a small blind area, only 10 cm, and the mounting bracket can be made even lower.</p> <p>It is suggested to adopt 64KHz M48×2 probe for No. 5-25 Parshall flume. The measuring range is 2m, and the blind area is 30cm.</p>	
<b>Measuring range</b>	Parameters ranging from 0.1L/s ~ 99999.99m <sup>3</sup> /h can be determined according to different weirs and flumes.	
<b>Accumulative flow</b>	Max.: 4290000000.00m <sup>3</sup>	
<b>Maximum range of liquid level</b>	1m, 2m and 3m.	
<b>Liquid level measurement accuracy</b>	0.5%	
<b>Resolution</b>	3mm or 0.1% (whichever is greater)	
<b>Display</b>	LCD display	
<b>Flow measurement accuracy</b>	<p>1~5% is for standard weirs and flumes (those meet the requirements of the national standards.)</p> <p>10~50% if for non-standard weirs and flumes.</p>	



## JAYCEE OCF -- OPEN CHANNEL FLOW METER

<b>Analog output</b>	4-wire 4~20 mA/600Ω load	
<b>Relay output</b>	(Option) 2 groups of AC 220V/ 8A or DC 24V/ 5A,	
<b>Power supply</b>	220V AC±15% 50Hz, or 24VDC 120mA;	
<b>Power supply</b>	(Option) 12VDC, battery power supply, solar power supply	
<b>Working environmental temperature</b>	Display meter -20~+60°C, probe -20~+80°C	
<b>Working environment pressure</b>	Normal atmosphere	
<b>Working environmental humidity</b>	≤90%RH, non-condensation	
<b>Process temperature</b>	-20~+80°C ;	
<b>Process pressure</b>	Normal atmosphere	
<b>Telecommunication</b>	Optional 485 and 232 communication, MODBUS protocol	
<b>Protection class</b>	Display meter IP65, probe IP68	Display meter IP64, probe IP68
<b>Probe cable</b>	None	Standard 10m, 100m at maximum
<b>Probe material</b>	The standard material is ABS, and anti-corrosive material shall be used in corrosive environment.	

<p><b>Split-type product power consumption</b></p>	<p>The split-type meter is powered by 24V power supply, and the power consumption without relay is 100mA. It needs 120mA if with one relay, 145mA if with two relays, 170mA if with three relays and 190mA if with four relays.</p> <p>Specific power is as follows:  <math>24 \times 100\text{mA} = 2.4\text{W}</math> for no relay;  <math>24 \times 120\text{mA} = 2.9\text{W}</math> for 1-way relay; <math>24 \times 145\text{mA} = 3.5\text{W}</math> for 2-way relay;  <math>24 \times 170\text{mA} = 4.1\text{W}</math> for 3-way relay; and <math>24 \times 190\text{mA} = 4.6\text{W}</math> for 2-way relay;</p>
<p><b>Integral-type product power consumption</b></p>	<p>The integral four-wire system is powered by 24V power supply, and the power consumption without relay is 80mA. It needs 105mA if with one relay, and it needs 130mA if with two relays.</p> <p><math>24 \times 145\text{mA} = 3.1\text{W}</math> is for 2-way relay</p>

**Installation Shape of Open Channel Flowmeter**

The meter display of the split-type ultrasonic open channel flowmeter should be installed indoors. The room should be well ventilated and free from corrosive gases. The meter shall be mounted on the wall. If the indoor conditions are not good or it shall be hung in the outdoor, it shall be installed in the meter protection box to avoid the sun exposure and rain.

**Integral Open Channel Flowmeter**



**SPLIT TYPE**

