

**ARANKA**

PADDLE WHEEL FLOW SENSOR

Model PW101&PW102- Flow Sensor is a Paddle Wheel insertion type flow sensor in a compact housing. This sensor works on the Faraday's law of electromagnetic induction. It generates a frequency & signal proportional to the flow. The sensor gives excellent and reliable results in the flow velocity range of 0.5m/sec to 5 m/sec & for the flow with Reynolds no greater than 5000.

**Polypropylene Flow Sensor****Stainless Steel Flow Sensor**

Flow Sensor Technical Details:

Flow-rate range	0.5m/sec to 5m/sec.
Accuracy	+/- 1% of full scale deflection
Input Voltage	5 to 12 VDC (Optional 24VDC)
Output Voltage	Square wave (Sinking) of 5- 12V Open coil o/p amplitude, 15 - 17.5 Hz/meter/second
Cable length	5 meters
Protecting Rating	IP-65
Operating Temp.	PP Sensor – upto 60°C SS Sensor - upto 100°C
Operating Pressure	PP Sensor – 0 - 10 Kg/cm ² SS Sensor - 0 to 20 Kg/cm ²

MOC Sensor Parts:

PART	BODY	PADDLE	PIN	O RING
MOC*	Polypropylene (PP)	PVDF	T.CARBIDE	Viton
	SS304/SS316	PVDF	T.CARBIDE	Viton

*MOC can vary w.r.t. the application, Consult Manufacturer for compatibility

Pipe Size Selection Chart:

Pipe Size (NB)	15	25	40	50	65	80	100	125	150	200	250	300
Min Flow m ³ /Hr	0.2	0.8	1.9	3.5	5.8	7.5	14	22	31	56	87	126
Max Flow m ³ /Hr	2.0	8.0	19	35	58	75	140	220	310	560	870	1260

(For Bigger Pipe Sizes, Consult Manufacturer for compatibility)

SENSOR INSTALLATION FITTINGS:

WELD BLOCK**S.S.T FITTING WITH THREADED END****S.S.T FITTING WITH STUB END****S.S.T FITTING WITH WELDED FLANGE****WELD ADAPTER****ARANKA****ARANKA** INSTRUMENTS **LLP**

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Factory. :

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