

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 ⁰ C SS Sensor - upto 100 ⁰ 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:

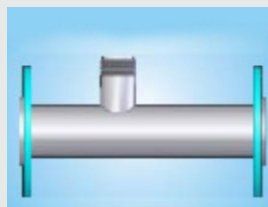
WELD BLOCK



S.ST FITTING WITH THREADED END



S.S.T FITTING WITH STUB END



S.S.T FITTING WITH WELDED FLANGE



WELD ADAPTER



FLOW DISPLAY UNIT

Field Mount



Panel Mount



We have a wide range of Field/Panel mounted type of meters, in which calibration factor is programmable. There are various unit selections available as Flow Rate Indicator, Totaliser, Batcher, Flow Rate Switch, Flow Transmitters with 4-20mA output/RS485 output/RS232 output & with Printing Facility etc

These meters are highly accurate, having optimized structure, highly reliable, more competitive than the similar type flow meter. We think, these flow meters are an ideal flow meter used in all kinds of most popularity measuring system. Our R&D department is continuously working to make these meters user friendly.

	Flow Rate Indicator	Flow Rate Indicator cum Totaliser	Flow transmitter
Make	Brio Instruments	Brio Instruments	Brio Instruments
Model	CI 100	CI 200	CI 300
Orientation	Field /Panel Mount Type	Field /Panel Mount Type	Field /Panel Mount Type
Function	Flow Rate Indication	Flow Rate + Totalised Flow	Flow Rate + Totalised Flow
Display	16 X 1 Lcd display with Backlit	16 X 2 Lcd display with Backlit	16 X 2 Lcd display with Backlit
Power Supply	230 VAC , +/- 10% (12VC or 24 VDC optional)	230 VAC , +/-10% (12VC or 24 VDC optional)	230 VAC , +/- 10% (12VC or 24 VDC optional)
Linearity	±1% of full range	±1% of full range	±1% of full range
Repeatability	±0.5% of full range	±0.5% of full range	±0.5% of full range
Configuration	Password Protected	Password Protected	Password Protected
Calibration	Using Front Panel Keys	Using Front Panel Keys	Using Front Panel Keys
Input	5-24 VDC pulse input	5-24 VDC pulse input	5-24 VDC pulse input
Output	N.A.	Potential Free Relay (1 or 2) Against Flow Rate or Total)	Potential Free Relay (1 or 2) Against Flow Rate or Total)
Retransmission output	N.A.	N.A.	4-20mA Or 0-10 VDC Or RS 485 / RS 232/ Printer Port
Meter Size	96x96x100 mm	96x96x100 mm	96x96x100 mm
Cutout Size	90x90 mm	90x90 mm	90x90 mm

CI200B – Flow Batcher, which have 1 relay output against Total
 CI200R – Flow Rate Indicator Cum Flow Switch, which have 1 relay output against Flow Rate
 For Field Instruments Size 100X100X80 mm

We configure the Display Units As per Customer Requirements

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